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## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.4458 Seconds  
(without alignments)  
2186.970 Million cell updates/sec

Title: US-09-934-634-2

Perfect score: 1459

Sequence: 1 MGSIVFRFPFCHLSTYSLIW.....MKRRHNRGRSSQGMQMK 278

## Scoring table:

BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 673684 seqs, 18443283 residues

673684

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA:\*

1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
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7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
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10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
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13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*  
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15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10C\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. NO. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1459	100.0	278	10	US-09-915-524-2
2	1459	100.0	278	10	US-09-934-634-2
3	1459	100.0	278	10	US-09-917-278-2
4	1453	99.6	278	14	US-10-086-972-2
5	1374	94.2	278	14	US-10-086-972-3
6	1360	93.2	278	10	US-09-915-524-21
7	1360	93.2	278	10	US-09-934-634-21
8	1360	93.2	278	10	US-09-917-278-21
9	1133	77.7	274	10	US-09-915-524-19
10	1133	77.7	274	10	US-09-934-634-19
11	1133	77.7	274	10	US-09-917-278-19
12	1133	77.7	274	14	US-10-086-972-1
13	1088	74.6	262	11	US-09-978-418-12
14	170	11.7	458	11	US-09-972-268-21
15	170	11.7	514	15	US-10-161-572-60

16	170	11.7	517	11	US-09-972-268-20	Sequence 20, App1
17	165.5	11.3	438	11	US-09-959-845-6	Sequence 6, App1
18	165.5	11.3	438	11	US-09-972-268-19	Sequence 19, App1
19	165.5	11.3	510	11	US-09-959-845-4	Sequence 4, App1
20	165.5	11.3	510	11	US-09-972-268-18	Sequence 18, App1
21	165.5	11.3	549	11	US-09-959-845-2	Sequence 2, App1
22	165.5	11.3	549	11	US-09-972-268-17	Sequence 17, App1
23	162.5	11.1	387	11	US-09-972-268-16	Sequence 16, App1
24	162.5	11.1	426	11	US-09-972-268-15	Sequence 15, App1
25	162.5	11.1	437	11	US-09-972-268-31	Sequence 31, App1
26	162.5	11.1	504	11	US-09-972-268-8	Sequence 8, App1
27	162.5	11.1	510	11	US-09-972-268-10	Sequence 10, App1
28	162.5	11.1	510	11	US-09-972-268-12	Sequence 12, App1
29	162.5	11.1	542	11	US-09-972-268-2	Sequence 2, App1
30	162.5	11.1	549	11	US-09-972-268-4	Sequence 4, App1
31	162.5	11.1	549	11	US-09-972-268-6	Sequence 6, App1
32	162.5	11.1	549	15	US-10-161-572-45	Sequence 45, App1
33	162.5	11.1	595	11	US-09-972-268-14	Sequence 14, App1
34	162.5	11.1	634	11	US-09-972-268-13	Sequence 13, App1
35	150	10.3	303	12	US-10-032-214-215	Sequence 215, App
36	148.5	10.2	518	10	US-09-919-172-20	Sequence 20, App1
37	147	10.1	303	12	US-10-032-214-197	Sequence 197, App
38	147	10.1	303	12	US-10-032-214-217	Sequence 217, App
39	146.5	10.0	302	12	US-10-032-214-268	Sequence 268, App
40	146	10.0	303	12	US-10-032-214-53	Sequence 53, App1
41	146	10.0	303	12	US-10-032-214-55	Sequence 55, App1
42	146	10.0	303	12	US-10-032-214-59	Sequence 59, App1
43	146	10.0	303	12	US-10-032-214-181	Sequence 181, App
44	146	10.0	303	12	US-10-032-214-199	Sequence 199, App
45	146	10.0	303	12	US-10-032-214-208	Sequence 208, App

## ALIGNMENTS

RESULT 1  
US-09-915-524-2  
Sequence 2, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OR INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Mus musculus  
US-09-915-524-2

Query Match	100.0%	Score 1459;	DB 10;	Length 278;
Best Local Similarity	100.0%;	Pred. No. 1e-137;		
Matches 278;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MGSIVFRFPFCHLSTYSLIWGMAAVALSTAQVEVTDERAKLTTSRSLKTSOPL	60	
DB	1	MGSIVFRFPFCHLSTYSLIWGMAAVALSTAQVEVTDERAKLTTSRSLKTSOPL	60	
QY	61	IVTWOKKAAVPEMNTYKTHGVIOPAAYDRINVELGLMNSITFMNTTLEDEGCM	120	
DB	61	IVTWOKKAAVPEMNTYKTHGVIOPAAYDRINVELGLMNSITFMNTTLEDEGCM	120	
QY	121	CLFPTFGSGQKVSCTACLTLLVYQPIVHLHYNFEDHLNITCSATRAPAPAIWKGTGIE	180	
DB	121	CLFPTFGSGQKVSCTACLTLLVYQPIVHLHYNFEDHLNITCSATRAPAPAIWKGTGIE	180	
QY	181	NSTSHFHSNQTTSVTSILRAKDKPTQVGKEVICOVLGLGVINDYKQSLDKGFNFVPL	240	

\_\_\_\_\_

Db 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

## RESULT 5

US-10-086-972-3  
; Sequence 3, Application US/10086972

; Publication No. US20020192215A1  
; GENERAL INFORMATION:

; APPLICANT: Hoeck, Robert M.

; APPLICANT: Sedgwick, Jonathan D.

; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related

; FILE OF INVENTION: Reagents

; FILE REFERENCE: DX0936K

; CURRENT APPLICATION NUMBER: US/10/086,972

; PRIOR APPLICATION NUMBER: 2002-03-01

; PRIOR FILING DATE: 2000-04-12

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 3

; LENGTH: 278

; TYPE: PRT

; ORGANISM: rodent

US-10-086-972-3

Query Match 94.2%; Score 1374; DB 14; Length 278;  
Best Local Similarity 93.9%; Pred. No. 3,3e-129;

Matches 261; Conservative 7; Mismatches 10; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

Db 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

Db 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

QY 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

Db 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

QY 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

Db 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

QY 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

Db 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

## RESULT 6

US-09-915-524-21

; Sequence 21, Application US/09915524

; Patent No. US20020103151A1

; GENERAL INFORMATION:

; APPLICANT: Gorczynski, Reginald M.

; APPLICANT: Clark, David A.

; TITLE OF INVENTION: Methods and Compositions for Immunomodulation

; FILE REFERENCE: 9579-38

; CURRENT APPLICATION NUMBER: US/09/915,524

; PRIOR FILING DATE: 2001-07-27

; PRIOR APPLICATION NUMBER: US 60/064,764

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: Patent In version 3.1

; SEQ ID NO 21

; LENGTH: 278

; TYPE: PRT

; ORGANISM: Rattus norvegicus

US-09-915-524-21

Query Match 93.2%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 8,4e-128;

Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

Db 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

Db 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

QY 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

Db 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

QY 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

Db 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

QY 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

Db 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

## RESULT 7

US-09-934-634-21

; Sequence 21, Application US/09934634

; Patent No. US20020151485A1

; GENERAL INFORMATION:

; APPLICANT: Gorczynski, Reginald M.

; APPLICANT: Clark, David A.

; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility

; FILE REFERENCE: 9579-34

; CURRENT APPLICATION NUMBER: US/09/934,634

; PRIOR FILING DATE: 2001-08-23

; PRIOR APPLICATION NUMBER: US 09/570,367

; PRIOR FILING DATE: 1998-05-05

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: Patent In version 3.0

; SEQ ID NO 21

; LENGTH: 278

; TYPE: PRT

; ORGANISM: Rattus norvegicus

US-09-934-634-21

Query Match 93.2%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 8,4e-128;

Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

Db 1 MGSIVFRPFPCHLSTYSILMGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQSEPL 60

QY 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

Db 61 IYTWQKKAQVSPENNVTSKTHGVVIOPAVKDRINVTGLMNSSITFMNTTLEDEGCYM 120

QY 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

Db 121 CLFNFGSGKVSCTACTLTYVQPIVHLHYNFEDHLNITCSATAPAPAIISWKGTSGLIE 180

QY 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

Db 181 NSTESHFNSTGTSVTSILRVKDPKTOVGKEVICOVLGVGNVIDYKOSLDKGFWSVPL 240

QY 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

Db 241 LSIIVSLVLLVLIISILLYWKRRHNRGESSGQMGRM 278

## RESULT 8

US-09-917-278-21

; Sequence 21, Application US/09917278

; Patent No. US20020168364A1

GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278  
CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/222,725  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 21  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-09-917-278-21

Query Match 93.2%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 8,4e-128;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSIVFRPFCHLSTSLIWGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEPILTV 60  
DB 1 MGSIVFRPFCHLSTSLIWGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEPILTV 60  
QY 61 IYTWOKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCY 120  
DB 61 IYTWOKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCY 120  
QY 121 CLFNFSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 180  
DB 121 CLFNFSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 180  
QY 181 NSTESHFSNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPL 240  
DB 181 NSTESHFSNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVILVILISILLYKRRHRNDRGESSQGMORMK 278  
DB 241 LSIIVSLVILVILISILLYKRRHRNDRGESSQGMORMK 278

## RESULT 9

US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT APPLICATION NUMBER: US/09/915,524  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFPCHLSTSLIWGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEPILTV 64  
DB 1 VIRMPFSLHSTSLVWMAAVALCTAQVQVVTQDEREQLYTTASLRCSLQNAQELIYTV 60

QY 65 OKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCYCLFN 124  
DB 61 OKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCYCLFN 120  
QY 125 TFGSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 184  
DB 121 TFGSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 180  
QY 185 SHFHSNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPLLSIV 244  
DB 181 TSHSPNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPLLSIV 240  
QY 245 SLVILVILVILISILLYKRRHRNDRGESSQGMORM 277  
DB 241 SLVILVILVILISILLYKRRHRNDRGESSQGMORM 273

## RESULT 10

US-09-934-634-19  
Sequence 19, Application US/09934634  
Patent No. US20020151485A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
FILE REFERENCE: 9579-34  
CURRENT APPLICATION NUMBER: US/09/934,634  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: US 09/570,367  
PRIOR FILING DATE: 1998-05-05  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-934-634-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFPCHLSTSLIWGMAAVALSTAQVEVVTQDERKALHTTASLRCSLKTQEPILTV 64  
DB 1 VIRMPFSLHSTSLVWMAAVALCTAQVQVVTQDEREQLYTTASLRCSLQNAQELIYTV 60  
QY 65 OKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCYCLFN 124  
DB 61 OKKAVSPENNMTYTSKTHGVIIQPAYKORINVTBELGLNNSITFWNTLLEDEGCYCLFN 120  
QY 125 TFGSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 184  
DB 121 TFGSGKVGSTACTLYVQPIVHLHYNFEDHLNITCSATAPAPAISSKGTGTGE 180  
QY 185 SHFHSNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPLLSIV 244  
DB 181 TSHSPNGTTSVTSILRVKDPKTQVGEKVIQCVLYLGNYIDYKOSLDKGFWSVPLLSIV 240  
QY 245 SLVILVILVILISILLYKRRHRNDRGESSQGMORM 277  
DB 241 SLVILVILVILISILLYKRRHRNDRGESSQGMORM 273

## RESULT 11

US-09-917-278-19  
Sequence 19, Application US/09917278  
Patent No. US20020168364A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278

CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/222,725  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 19  
LENGTH: 274  
TYPE: PRF  
ORGANISM: Homo sapiens  
US-09-917-278-19

Query Match 77.7%; Score 1133; DB 10; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTM 64  
DB 1 VIRMPFSLSTSLVWMAAVALCTAQQVVTQDEREQLYTTASLKCSLQNNQALIVTM 60  
QY 65 QKKKAVSPENMYTSKTHGVVIOPAVKDRINVTGLMNSITFMNTTLEDEGCYMCLEN 124  
DB 61 QKKKAVSPENMYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNITLEDEGCYMCLEN 120  
QY 125 TFGSQKVGSTACTLTVYQPIVHLHNYFEDHNTCSATAPAPVFWKPGTGTGIENSTV 184  
DB 121 TFGFKISGISTACTLTVYQPIVSLHYKFSFSDHNTCSATAPAPVFWKPGTGTGIENSTV 180  
QY 185 SHFHSNGTSTVSLIRVKDPTQVGKEVICOVLYGNVDYKQSLDKGFMSVPLLSIV 244  
DB 181 TISHNGTSTVSLIHIDPKQVGKEVICOVLYHGTVDYKQVTKGWFSPVPLLSIV 240  
QY 245 SLVILVILISILLYWKRHRNDRGESSQGMORM 277  
DB 241 SLVILVILISILLYWKRHRNDRGELSGQVGM 273

## RESULT 12

US-10-086-972-1  
Sequence 1, Application US/10086972  
Publication No. US20020192215A1  
GENERAL INFORMATION:  
APPLICANT: Hoeft, Robert M.  
APPLICANT: Sedgwick, Jonathan D.  
TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
FILE REFERENCE: DX0936K  
CURRENT APPLICATION NUMBER: US/10/086,972  
CURRENT FILING DATE: 2002-03-01  
PRIOR APPLICATION NUMBER: US/09/547,432  
PRIOR FILING DATE: 2000-04-12  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 1  
LENGTH: 274  
TYPE: PRF  
ORGANISM: primate  
US-10-086-972-1

Query Match 77.7%; Score 1133; DB 14; Length 274;  
Best Local Similarity 78.0%; Pred. No. 4,4e-105;  
Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTM 64  
DB 1 VIRMPFSLSTSLVWMAAVALCTAQQVVTQDEREQLYTTASLKCSLQNNQALIVTM 60  
QY 65 QKKKAVSPENMYTSKTHGVVIOPAVKDRINVTGLMNSITFMNTTLEDEGCYMCLEN 124  
DB 61 QKKKAVSPENMYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNITLEDEGCYMCLEN 120  
QY 125 TFGSQKVGSTACTLTVYQPIVHLHNYFEDHNTCSATAPAPVFWKPGTGTGTGIENSTV 184

DB 121 TFGFKISGISTACTLTVYQPIVSLHYKFSFSDHNTCSATAPAPVFWKPGTGTGIENSTV 180  
QY 185 SHFHSNGTSTVSLIRVKDPTQVGKEVICOVLYGNVDYKQSLDKGFMSVPLLSIV 244  
DB 181 TISHNGTSTVSLIHIDPKQVGKEVICOVLYHGTVDYKQVTKGWFSPVPLLSIV 240  
QY 245 SLVILVILISILLYWKRHRNDRGESSQGMORM 277  
DB 241 SLVILVILISILLYWKRHRNDRGELSGQVGM 273

## RESULT 13

US-09-978-418-12  
Sequence 12, Application US/09978418  
Publication No. US2003018997A1  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephan  
APPLICANT: Tanaka, Hiroaki  
TITLE OF INVENTION: HUMAN CDNAS AND PROTEINS AND USES THEREOF  
FILE REFERENCE: 142, US5, REG  
CURRENT APPLICATION NUMBER: US/09/978,418  
PRIOR APPLICATION NUMBER: 60/311,305  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/314,734  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/318,204  
PRIOR FILING DATE: 2001-09-07  
PRIOR APPLICATION NUMBER: 60/326,470  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: Upatent  
SEQ ID NO: 12  
LENGTH: 262  
TYPE: PRF  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: 1..23  
US-09-978-418-12

Query Match 74.6%; Score 1088; DB 11; Length 262;  
Best Local Similarity 78.8%; Pred. No. 1.3e-100;  
Matches 204; Conservative 27; Mismatches 28; Indels 0; Gaps 0;

QY 9 PFCHLSTSLIWMGAVALSTAQVEVVTQDERKALHTTASLRCSLKTQCEPLIVTMQKXK 68  
DB 2 PFSHSTSLVWMAAVALCTAQQVVTQDEREQLYTTASLKCSLQNNQALIVTMQKXK 61  
QY 69 AVSPENMYTSKTHGVVIOPAVKDRINVTGLMNSITFMNTTLEDEGCYMCLENFTGS 128  
DB 62 AVSPENMYTSFENHGVVIOPAVKDKINITQGLQNSTITFMNITLEDEGCYMCLENFTGF 121  
QY 129 QKVGSTACTLTVYQPIVHLHNYFEDHNTCSATAPAPVFWKPGTGTGTGIENSTESHF 188  
DB 122 KISGISTACTLTVYQPIVSLHYKFSFSDHNTCSATAPAPVFWKPGTGTGTGIENSTESHF 181  
QY 189 SNGTSTVSLIRVKDPTQVGKEVICOVLYGNVDYKQSLDKGFMSVPLLSIVSLVI 248  
DB 182 PNGTSTVSLIHIDPKQVGKEVICOVLYHGTVDYKQVTKGWFSPVPLLSIVSLVI 241  
QY 249 LVLVILISILLYWKRHRNDR 267  
DB 242 LVLVILISILLYWKRHRNDR 260

## RESULT 14

US-09-972-268-21  
Sequence 21, Application US/09972268  
Publication No. US20030044893A1  
GENERAL INFORMATION:  
APPLICANT: Baum, Peter R.

APPLICANT: Fanelow, William C.  
APPLICANT: Lofton, Timothy E.  
APPLICANT: Sorensen, Eric A.  
APPLICANT: Youaniam, Adel  
TITLE OF INVENTION: NECTIN POLYPEPTIDES, POLYNUCLEOTIDES, METHODS OF MAKING AND USE  
FILE REFERENCE: 3101-A  
CURRENT APPLICATION NUMBER: US/09/972,268  
CURRENT FILING DATE: 2001-10-05  
PRIOR APPLICATION NUMBER: 60/238,557  
PRIOR FILING DATE: 2000-10-05  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 21  
LENGTH: 458  
TYPE: PRT  
ORGANISM: homo sapiens  
US-09-972-268-21

Query Match 11.7%; Score 170; DB 11; Length 458;  
Best Local Similarity 26.1%; Pred. No. 2.5e-08;  
Matches 61; Conservative 38; Mismatches 103; Indels 32; Gaps 8;

QY 20 WGMVAVALST-----AQEVVYQDERKALHTTASLRC-----SLKTSQEPPLIVTWQ 65  
DB 14 WGL-ALGLTAFPLPGVHSQVQVNDSMYGFICTDVVLHCSFANPLPSVKITQ---VTWQ 68  
QY 66 KKAASPENMVTYSKTHGVIOIPAYKDRINVTGLMNSITFMWTTLEDEGCYMCLENT 125  
DB 69 KSTNSKQVAILYNSMGVSVALPYRERVEFLRPSTDTIRLSRLEDEBGVYICEFAT 128  
QY 126 FGSQKVSCTACTLYVQ-----IVHLHYNFEDHLNITC-SATAPAPASWKT 175  
DB 129 FPTGNRESQNLTVAKPTNMIETQAVLRAKKGDDKVLVATCTISANGKPPSVVSWETR 188  
QY 176 GTGIENSTESHSHSGTTSVTSILRVKDKPTQVGEVIGCVLYLGNVIDYKQSL 229  
DB 189 LKG-EAEYQEIKNPNGTIVISRYRLVPSREAHQOSLACTIVY--HMDRFKESL 239

RESULT 15

US-10-161-572-60  
Sequence 60, Application US/10161572  
Publication No. US20030087266A1  
GENERAL INFORMATION:  
APPLICANT: EXELIXIS, INC.  
TITLE OF INVENTION: IGF AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE  
FILE REFERENCE: EX02-097C-PC  
CURRENT APPLICATION NUMBER: US/10/161,572  
CURRENT FILING DATE: 2002-06-03  
PRIOR APPLICATION NUMBER: US 60/296,076  
PRIOR FILING DATE: 2001-06-05  
PRIOR APPLICATION NUMBER: US 60/328,605  
PRIOR FILING DATE: 2001-10-10  
PRIOR APPLICATION NUMBER: US 60/338,733  
PRIOR FILING DATE: 2001-10-22  
PRIOR APPLICATION NUMBER: US 60/357,253  
PRIOR FILING DATE: 2002-02-15  
PRIOR APPLICATION NUMBER: US 60/357,600  
PRIOR FILING DATE: 2002-02-15  
NUMBER OF SEQ ID NOS: 63  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 60  
LENGTH: 514  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-161-572-60

Query Match 11.7%; Score 170; DB 15; Length 514;

Best Local Similarity 26.1%; Pred. No. 3e-08;  
Matches 61; Conservative 38; Mismatches 103; Indels 32; Gaps 8;

QY 20 WGMVAVALST-----AQEVVYQDERKALHTTASLRC-----SLKTSQEPPLIVTWQ 65  
DB 14 WGL-ALGLTAFPLPGVHSQVQVNDSMYGFICTDVVLHCSFANPLPSVKITQ---VTWQ 68

DB 11 WGL-ALGLTAFPLPGVHSQVQVNDSMYGFICTDVVLHCSFANPLPSVKITQ---VTWQ 65  
QY 66 KKAASPENMVTYSKTHGVIOIPAYKDRINVTGLMNSITFMWTTLEDEGCYMCLENT 125  
DB 69 KSTNSKQVAILYNSMGVSVALPYRERVEFLRPSTDTIRLSRLEDEBGVYICEFAT 125  
QY 126 FGSQKVSCTACTLYVQ-----IVHLHYNFEDHLNITC-SATAPAPASWKT 175  
DB 129 FPTGNRESQNLTVAKPTNMIETQAVLRAKKGDDKVLVATCTISANGKPPSVVSWETR 185  
QY 176 GTGIENSTESHSHSGTTSVTSILRVKDKPTQVGEVIGCVLYLGNVIDYKQSL 229  
DB 189 LKG-EAEYQEIKNPNGTIVISRYRLVPSREAHQOSLACTIVY--HMDRFKESL 236

Search completed: November 26, 2003, 10:39:52  
Job time : 23.4458 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 26, 2003, 10:17:08 : Search time 12.7277 Seconds  
(without alignments)  
924.158 Million cell updates/sec

Title: US-09-934-634-2

Perfect score: 1459

Sequence: 1 MGSIVFRFPCHLSTYSLIW.....MKRHRNQRGESSQGMQRMK 278

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents AA: \*  
2: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep: \*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep: \*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep: \*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1459	100.0	278	4	US-09-570-367C-2
2	1360	93.2	278	4	US-09-570-367C-21
3	1333	77.7	274	4	US-09-570-367C-19
4	169	11.6	458	4	US-09-435-956A-1
5	145.5	10.0	408	4	US-09-724-864-62
6	143	9.8	318	3	US-09-068-051A-32
7	138.5	9.5	325	4	US-09-651-200-20
8	133	9.1	309	4	US-09-667-135-6
9	133	9.1	558	4	US-09-667-135-31
10	131.5	9.0	299	4	US-09-651-200-15
11	129	8.8	534	4	US-09-651-200-6
12	129	8.8	534	4	US-09-651-200-24
13	128	8.8	329	2	US-08-456-104-2
14	128	8.8	329	2	US-08-101-624-2
15	128	8.8	329	3	US-08-479-744A-2
16	128	8.8	329	3	US-08-280-757B-2
17	128	8.8	329	3	US-08-205-697A-23
18	128	8.8	329	3	US-08-702-525-23
19	128	8.8	329	4	US-08-403-253A-4
20	128	8.8	329	4	US-09-667-135-32
21	128	8.8	329	4	US-08-435-816A-4
22	128	8.8	329	5	PCT-US95-02576-23
23	124	8.5	340	4	US-09-651-200-2
24	124	8.5	441	4	US-09-651-200-4
25	123.5	8.5	442	4	US-09-778-510-20
26	121.5	8.3	218	3	US-09-068-655-7
27	121.5	8.3	292	4	US-09-303-040-4

28	121.5	8.3	640	4	US-09-996-243-501	Sequence 501, App
29	121	8.3	393	1	US-08-429-742-2	Sequence 2, Appl
30	120.5	8.3	388	1	US-08-429-742-4	Sequence 4, Appl
31	119.5	8.2	292	4	US-09-651-200-16	Sequence 16, Appl
32	119.5	8.2	292	4	US-09-303-040-2	Sequence 2, Appl
33	118.5	8.1	490	4	US-09-667-135-28	Sequence 28, Appl
34	118	8.1	323	4	US-09-651-200-21	Sequence 21, Appl
35	118	8.1	323	5	PCT-US94-09642-2	Sequence 2, Appl
36	117.5	8.1	318	6	5242798-5	Patent No. 5242798
37	117.5	8.1	319	1	US-08-597-495B-22	Sequence 22, Appl
38	117.5	8.1	319	3	US-09-068-051A-22	Sequence 22, Appl
39	117.5	8.1	319	4	US-09-336-536-67	Sequence 67, Appl
40	117.5	8.1	319	4	US-09-254-465A-6	Sequence 6, Appl
41	114.5	7.8	423	4	US-09-778-510-22	Sequence 22, Appl
42	114.5	7.8	828	1	US-08-261-304-2	Sequence 2, Appl
43	112.5	7.7	329	4	US-09-651-200-19	Sequence 19, Appl
44	112.5	7.7	1101	3	US-08-986-485-2	Sequence 2, Appl
45	110	7.5	240	3	US-09-049-672A-11	Sequence 11, Appl

#### ALIGNMENTS

```
RESULT 1
US-09-570-367C-2
; Sequence 2, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-570-367C-2

Query Match      100.0%  Score 1459; DB 4; Length 278;
Best Local Similarity 100.0%; Pred. No. 2.4e-144;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MGSIVFRFPCHLSTYSLIWMAAVALSTAQVEVVTODERKALHTTASLRGSLKTSOEP 60
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DB      1 MGSIVFRFPCHLSTYSLIWMAAVALSTAQVEVVTODERKALHTTASLRGSLKTSOEP 60

QY      61 IVTQKKKAVSPENNVVTSKTHGVVIOPAVKDRINVELGLMNSSIFMNTTLEDEGCM 120
      |||||
DB      61 IVTQKKKAVSPENNVVTSKTHGVVIOPAVKDRINVELGLMNSSIFMNTTLEDEGCM 120

QY      121 CLFTFSGQKSGTACLTLYVQPIVHLHYNFEDHLNITGCATRPAPAIKSGTGTIE 180
      |||||
DB      121 CLFTFSGQKSGTACLTLYVQPIVHLHYNFEDHLNITGCATRPAPAIKSGTGTIE 180

QY      181 NSTSHFNSNGTSTVTSILRKVDPKTOVGKVICOVLYLGVVITYKOSLDGFMSVPL 240
      |||||
DB      181 NSTSHFNSNGTSTVTSILRKVDPKTOVGKVICOVLYLGVVITYKOSLDGFMSVPL 240

QY      241 LSIIVSLVLLVLLISILLYMKRHRNQRGESSQGMQRMK 278
      |||||
DB      241 LSIIVSLVLLVLLISILLYMKRHRNQRGESSQGMQRMK 278

RESULT 2
US-09-570-367C-21
; Sequence 21, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
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:  APPLICANT: Gorczynski, Reginald M.
:  TITLE OF INVENTION: Methods and Compositions for Immunomodulation
:  FILE REFERENCE: 9579-21
:  CURRENT APPLICATION NUMBER: US/09/570,167C
:  CURRENT FILING DATE: 2000-05-05
:  PRIOR APPLICATION NUMBER: US 60/064,764
:  PRIOR FILING DATE: 1997-11-07
:  NUMBER OF SEQ ID NOS: 22
:  SOFTWARE: Patentin version 3.0
:  SEQ ID NO 21
:  LENGTH: 278
:  TYPE: PRT
:  ORGANISM: Rattus norvegicus
:  US-09-570-367C-21

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Query Match	93.2%	Score 1360	DB 4	Length 278
Best Local Similarity	93.2%	Pred. No. 5.4e-134		
Matches 259, Conservative	7	Mismatches 12	Indels 0	Gaps 0

QY 1 MGS L V F R R P R C H L S T Y S L I T M G M A A A L S T Q V E V V T Q D E K A L H T T A S I C S L K T S O E P L 60

Db 1 MGS P V F R R P R C H L S T Y S L I M A I A A A L S T Q V E V V T Q D E R K L H T T A S I C S L K T T O E P L 60

Qy	61	I	V	M	O	K	K	A	V	S	P	E	N	N	V	T	S	K	T	H	G	V	I	O	P	A	K	D	R	I	N	T	E	L	G	M	N	S	T	F	N	N	T	L	E	B	E	G	C	M	120
Db	61	I	V	M	O	K	K	A	V	S	P	E	N	N	V	T	S	K	T	H	G	V	I	O	P	T	K	D	R	I	N	T	E	L	G	M	N	S	T	F	N	N	T	L	E	B	E	G	C	M	120

Qy	121	CLFNTFGSQVSGTACCLTVVOPRIYHLHNYN	FEEDHINITSATARPAPALPSWKGCTG	180
Db	121	CLFNNFGSGVSGTACCLTVVOPRIYHLHNYN <td>FEENHINITSATARPAPALPSWKGCTG <td>180</td> </td>	FEENHINITSATARPAPALPSWKGCTG <td>180</td>	180

QY 181 NSTSHPHSNGTSTVTSILRKVDKPTQVGKEVICQVLYLGNVIDYKQSLDKGFWSVPLL 240

Db 181 NSTSHSHSNGTSTVTSILRKVDKPTQVGKEVICQVLYLGNVIDYKQSLDKGFWSVPLL 240

QY 241 LSIYSLVILVLISILLYWKRRHNRDQERGESSQGMQRMK 278  
 241 LSIYSLVILVLISILLYWKRRHNRDQERGESSQGMQRMK 278  
 Db. 241 LSIYSLVILVLISILLYWKRRHNRDQERGESSQGMQRMK 278

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RESULT 3
US-09-570-367C--19
; Sequence 19, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-570-367C-19

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[illegible]

Db 121 TFGFGKISGTACTATYYQPIVSIHKHKBEDHNLITCSAATARAPMFWKVPBSGIENSTV 180

QY 185 SHFSNGTTSVTSIIRVKDPTQVQKEVYICQVLYIGNVIDYQSLDKGWFSPYPLLISIV 244

Db 181 TISHNGTTSVTSIIRHIDPKQVQKEVYICQVLTGLGTVDFTQVWKGWYFSPYPLLISIV 240

QY 245 SLVILTLVLSILLYWKRRHRNOERGSSSGQMORM 277

Db 241 SLVILTLVLSILLYWKRRHRNOERGSLSGVQVRN 273

RESULT 4  
US-09-435-956A-1

```
; Patent No. 6469155  
; GENERAL INFORMATION:  
; APPLICANT: Universita degli Studi di Bologna
```

TITLE OF INVENTION:	High and Related V Domain for the Manufacture of a
TITLE OF INVENTION:	Medicament for Preventing or Treating HSV-1, HSV-2 and
TITLE OF INVENTION:	BHV Infections

```

1 CURRENT APPLICATION NUMBER: US/09/435,956A
2
3 CURRENT FILING DATE: 1999-11-09
4
5 NUMBER OF SEQ ID NOS: 2

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; SEQ ID NO 1
;
; LENGTH: 458
;
; TYPE: PRT

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1 FEATURE: Original Source: HeLa Cell Line
2
3 OTHER INFORMATION: General Functional Class of Gene: Immunoglobulin
4
5 OTHER INFORMATION: General Functional Class of Gene:
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OTHER INFORMATION:	Binding Macromolecules:	HSV-gD
OTHER INFORMATION:	Subcellular localisation:	Plasma Membrane
OTHER INFORMATION:	Other Information:	Viral Receptor

[illegible]

RESULT 5  
US-09-724-864-62  
; Sequence 62, Application US/09724864  
; Patent No. 6380362  
; GENERAL INFORMATION:  
; APPLICANT: Watson, James D  
; APPLICANT: Murtison, James G.  
; TITLE OF INVENTION: polynucleotides, polypeptides expressed  
; TITLE OF INVENTION: by the polynucleotides and methods for their use.  
; FILE REFERENCE: 11000.105001  
; CURRENT APPLICATION NUMBER: US/09/724, 864  
; CURRENT FILING DATE: 2000-11-28



PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
PRIOR FILING DATE: 1999-12-23  
NUMBER OF SEQ ID NOS: 72  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 62  
LENGTH: 408  
TYPE: PRT  
ORGANISM: Mouse  
US-09-724-864-62

Query Match 10.0%; Score 145.5; DB 4; Length 408;  
Best Local Similarity 24.3%; Pred. No. 9,7e-07;  
Matches 53; Conservative 29; Mismatches 99; Indels 37; Gaps 5;

QY 34 VVTDERKALHTTASLRCSLKTSGEPFI--VTWQKKAIVSPENNV--TYSKTHGVVIQPAY 90  
DB 33 LVPYSTGVLGSGTTLHCSLTNSNEVITITQITMCKDGGSHALVAVHPKGPVKEPE 92  
QY 91 KDRIVTELGWNSSTTFMNTTLEDEGCYMCLEFNTFGSOKVSGTACL----- 137  
DB 93 RVKFLAAQDLRNALSNLSVEDEGYECQIATPPGSRSTNAMLKVQARPKNTAEAL 152  
QY 138 ----TLVQPIVHLHYNFEEDHLNITCSATAPAPAIWMKGTGTGIENSTESHPSNGTT 193  
DB 153 EPSPTLLIQDVAK-----CISANGHPGRISMPSNVNGSHREMKEPGSPGPTT 200  
QY 194 SVTSLRVKDPKTVQKEVICVLYLGNVIDYKQSLDK 231  
DB 201 TVTSTYLSWVPSRQADGKNITCTVEH-----ESLQELDD 233

RESULT 6  
US-09-068-051A-32  
Sequence 32, Application US/09068051A  
Patent No. 6291235

## GENERAL INFORMATION:

APPLICANT: Old, Lloyd J.; Weitz, Sydney; Ritter, Gerd;  
Simpson, Richard J.; Nice, Edward; Moritz, R. L.;  
Cattell, B. J.; Hong, Burgess, Anthony W.;  
Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
Associated Nucleic Acid Molecules, Protein And Peptides  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fulbright & Jaworski LLP  
STREET: 666 Fifth Avenue  
CITY: New York City  
STATE: New York  
COUNTRY: USA  
ZIP: 10103

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: PC-DOS  
SOFTWARE: Wordperfect  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/068,051A  
FILING DATE: 10-Dec-1998  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/597,495  
FILING DATE: 02-Feb-1996  
APPLICATION NUMBER: 08/511,876  
FILING DATE: 04-Aug-1995

ATTORNEY/AGENT INFORMATION:  
NAME: Hanson, No. 6291235man D.  
REGISTRATION NUMBER: 30,946  
REFERENCE/DOCKET NUMBER: LUD 5316.2

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 318-3168  
TELEFAX: (212) 752-5958  
INFORMATION FOR SEQ ID NO: 32  
SEQUENCE CHARACTERISTICS:

LENGTH: 318 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 32  
US-09-068-051A-32

Query Match 9.8%; Score 143; DB 3; Length 318;  
Best Local Similarity 22.8%; Pred. No. 1.2e-06;  
Matches 66; Conservative 49; Mismatches 117; Indels 58; Gaps 13;

QY 17 SLIWGMAA--VALSTAQVEVTDERKALHTTASLRCSLKT--SQEPLVTWQKKAIVSP 72  
DB 6 SVVWMLCAIWAADALVETTDILRAARGSVTLPTQYNTVYSDRGFIQMDLILNSQT 65  
QY 73 ENMTYIS-KTHGVVIQPAYKDRIVNT-ELGLWNSSTTFMNTTLEDEGCYMCLEFNTFGSQK 130  
DB 66 ERVVTWVFVTKYIYGNRYENRVRVSDALSNASTIIDQITMDNDSTYECVSILMSDD 125  
QY 131 VSGTACLTLYV-----OPIVHLHYN-YFEEDHLNITC-SATAPAPAIWMKGTGTGIENST 183  
DB 126 VNASRVRRLVLYVPSKPDGSIQGEWYIGNNIQLTCSABGSPQYSWK----- 175  
QY 184 ESHPSNGTTSVT-----SLRVKDPKTVQKEVICVLYLGNVIDYKQSLDKGF----- 233  
DB 176 -SYAQQNQGRPLTPVSGEPLLNISTETAGYIC-----TSSNDVGIESGNI 223  
QY 234 -----WFSVPLILSTV-SLIVLLVLSILLY-----KRRNGEGES 270  
DB 224 TVAPRPPSMIALYAGIAGSVFALLIIGVIVCCCRKDKDQDRED 273

RESULT 7  
US-09-651-200-20  
Sequence 20, Application US/09651200  
Patent No. 6429303

## GENERAL INFORMATION:

APPLICANT: Green et al  
TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
Lymphocyte Activation Antigen B-7 Family and  
FILE REFERENCE: 15966-562 (CURA-62)  
CURRENT APPLICATION NUMBER: US/09/651,200  
CURRENT FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/152383  
PRIOR FILING DATE: 1999-09-03  
PRIOR APPLICATION NUMBER: 60/172909  
PRIOR FILING DATE: 1999-12-21  
PRIOR APPLICATION NUMBER: 60/183578  
PRIOR FILING DATE: 2000-02-18  
NUMBER OF SEQ ID NOS: 25  
SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 20  
LENGTH: 325  
TYPE: PRT  
ORGANISM: sus sp.  
US-09-651-200-20

Query Match 9.5%; Score 138.5; DB 4; Length 325;  
Best Local Similarity 23.8%; Pred. No. 3.7e-06;  
Matches 66; Conservative 46; Mismatches 90; Indels 75; Gaps 18;

QY 46 TASLRCSLKTSG---EPLVTWQKKAIVSPENNVY-----SKTHGVVIQPAYKDRIN 95  
DB 29 TGEPLCHFTNSQNLSDLELVIFWDDQ-----DNLVLYELXGQKPHNV--NSKYMGRTS 81  
QY 96 VTEGLWNSSTTFMNTTLEDEGCYMCLEFNTFG-----SQVSGTACLTLYVQPIVHLH 148  
DB 82 PDQ-ATW--TIRLNVQIKDKGSYQCFIHNGHPGLVPIRHMSDDLILANFSPQEIPLL 138  
QY 149 YNFEEDH-LNITCSAT-ARAPAIWMKGTGTGIENSTESH-----FHSNGTTSVTSI-LR 200  
DB 139 TNHTENSIVNLTCSTGQYEPQRMWMLNT--KNSSTEHADMKKQNNITELVNVISIR 196









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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.1084 Seconds  
(without alignments)  
2186.970 Million cell updates/sec

Title: US-09-934-634-19

Perfect score: 1427  
Sequence: 1 VIRMPFSLSTYSLVWMAA.....MKRRNDREGLSGVQKMT 274

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
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- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match length	ID	Description
1	1427	100.0	274	US-09-915-524-19 Sequence 19, Appl
2	1427	100.0	274	US-09-934-634-19 Sequence 19, Appl
3	1427	100.0	274	US-09-917-278-19 Sequence 19, Appl
4	1427	100.0	274	US-10-086-972-1 Sequence 1, Appl
5	1360	95.3	262	US-09-978-418-12 Sequence 12, Appl
6	1133	79.4	278	US-09-915-524-2 Sequence 2, Appl
7	1133	79.4	278	US-09-934-634-2 Sequence 2, Appl
8	1133	79.4	278	US-09-917-278-2 Sequence 2, Appl
9	1133	79.4	278	US-10-086-972-2 Sequence 2, Appl
10	1124	78.8	278	US-10-086-972-3 Sequence 3, Appl
11	1110	77.8	278	US-09-915-524-21 Sequence 21, Appl
12	1110	77.8	278	US-09-934-634-21 Sequence 21, Appl
13	1110	77.8	278	US-09-917-278-21 Sequence 21, Appl
14	191.5	13.4	438	US-09-959-845-6 Sequence 6, Appl
15	191.5	13.4	438	US-09-972-268-19 Sequence 19, Appl

16	191.5	13.4	510	US-09-959-845-4 Sequence 4, Appl
17	191.5	13.4	510	US-09-972-268-18 Sequence 18, Appl
18	191.5	13.4	549	US-09-859-845-2 Sequence 2, Appl
19	191.5	13.4	549	US-09-972-268-17 Sequence 17, Appl
20	187.5	13.1	387	US-09-972-268-16 Sequence 16, Appl
21	187.5	13.1	426	US-09-972-268-15 Sequence 15, Appl
22	187.5	13.1	437	US-09-972-268-31 Sequence 31, Appl
23	187.5	13.1	504	US-09-972-268-8 Sequence 8, Appl
24	187.5	13.1	510	US-09-972-268-10 Sequence 10, Appl
25	187.5	13.1	510	US-09-972-268-12 Sequence 12, Appl
26	187.5	13.1	542	US-09-972-268-2 Sequence 2, Appl
27	187.5	13.1	549	US-09-972-268-4 Sequence 4, Appl
28	187.5	13.1	549	US-09-972-268-14 Sequence 14, Appl
29	187.5	13.1	595	US-09-972-268-13 Sequence 13, Appl
30	187.5	13.1	634	US-09-972-268-21 Sequence 21, Appl
31	187.5	13.1	634	US-09-972-268-21 Sequence 21, Appl
32	182	12.8	458	US-09-972-268-21 Sequence 21, Appl
33	182	12.8	514	US-10-161-572-60 Sequence 60, Appl
34	182	12.8	517	US-09-972-268-20 Sequence 20, Appl
35	164	11.5	255	US-09-866-050A-703 Sequence 703, App
36	159	11.1	518	US-09-919-172-20 Sequence 20, Appl
37	158.5	11.1	479	US-09-972-268-22 Sequence 22, Appl
38	158.5	11.1	479	US-10-161-572-62 Sequence 62, Appl
39	158.5	11.1	538	US-09-972-268-23 Sequence 23, Appl
40	158.5	11.1	538	US-09-984-130-138 Sequence 138, App
41	158.5	11.1	538	US-09-836-353A-138 Sequence 138, App
42	158.5	11.1	538	US-10-161-572-61 Sequence 61, Appl
43	153	10.7	498	US-09-972-268-39 Sequence 39, Appl
44	152	10.7	417	US-09-972-268-25 Sequence 25, Appl
45	147	10.3	497	US-09-972-268-37 Sequence 37, Appl

#### ALIGNMENTS

RESULT 1  
US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match	100.0%	Score 1427	DB 10	Length 274
Best Local Similarity	100.0%	Pred. No. 3.5e-132		
Matches 274	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	VIRMPFSLSTYSLVWMAAVLCTAOVVTOEROLYTTATKCSLQNAOALIVTW	60	
DB	1	VIRMPFSLSTYSLVWMAAVLCTAOVVTOEROLYTTATKCSLQNAOALIVTW	60	
QY	61	OKKAAPENNVTSSEHNGVIVQPAYKDKINITOLGONSTTFMTTLEDEGCMCLFN	120	
DB	61	OKKAAPENNVTSSEHNGVIVQPAYKDKINITOLGONSTTFMTTLEDEGCMCLFN	120	
QY	121	TFGFGKISGTACTLVYVQPIVSLHYKSEDLNITCATAPAPMVFMKVPRSGIENSTV	180	
DB	121	TFGFGKISGTACTLVYVQPIVSLHYKSEDLNITCATAPAPMVFMKVPRSGIENSTV	180	
QY	181	TLSPNGTTSVTSILHDKDPNGVKEVICQVHLGLVTPDKQVNVNGVWFSVPLLSTIV	240	

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Db      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274

RESULT 2
US-09-934-634-19
; Sequence 19, Application US/09934634
; Patent No. US20020151485A1
; GENERAL INFORMATION:
; APPLICANT: Gorczyneki, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-934-634-19

Query Match      100.0%; Score 1427; DB 10; Length 274;
Best Local Similarity 100.0%; Pred. No. 3.5e-132;
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIIYTW 60
Qy      61 OKKKAISPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTITTFNNITLDEGCMCLFN 120
Db      61 OKKKAISPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTITTFNNITLDEGCMCLFN 120
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Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPKRSIGIENSTV 180
Qy      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Db      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274

RESULT 3
US-09-917-278-19
; Sequence 19, Application US/09917278
; Patent No. US20020168364A1
; GENERAL INFORMATION:
; APPLICANT: Gorczyneki, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth
; FILE REFERENCE: 9579-39
; CURRENT APPLICATION NUMBER: US/09/917,278
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/222,725
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 274
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Db      61 OKKKAISPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTITTFNNITLDEGCMCLFN 120
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Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPKRSIGIENSTV 180
Qy      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Db      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274

RESULT 4
US-10-086-972-1
; Sequence 1, Application US/10086972
; Publication No. US20020192215A1
; GENERAL INFORMATION:
; APPLICANT: Hoek, Robert M.
; APPLICANT: Sedgwick, Jonathan D.
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related
; TITLE OF INVENTION: Reagents
; FILE REFERENCE: DX0936K
; CURRENT APPLICATION NUMBER: US/10/086,972
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US/09/547,432
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Primate
US-10-086-972-1

Query Match      100.0%; Score 1427; DB 14; Length 274;
Best Local Similarity 100.0%; Pred. No. 3.5e-132;
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIIYTW 60
Db      1 VIRMPFSLSTYSLVWMAAVLCTAQOVVTODEREQLYTTASLKCSLQNAQEAIIYTW 60
Qy      61 OKKKAISPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTITTFNNITLDEGCMCLFN 120
Db      61 OKKKAISPENNVTFSEHNGVVIOPAYKDKINITQGLQNSTITTFNNITLDEGCMCLFN 120
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Db      121 TFGFGKISGTACTLVYVQPIVSLHYKFSBDHLNITCSATAPAPMFWKVPKRSIGIENSTV 180
Qy      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Db      181 TLSPNGTTSVTSILHIKDPKQVGEKVICQVHLGTVTDFKQTVNKGWFSVPLLSIV 240
Qy      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274
Db      241 SLVILLVLISILLYKRRHRNDRGELSOGVOKMT 274
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Db 245 SLVILLVILISILLYWKRRHNRGESSQGMORM 277

RESULT 8

US-09-917-278-2

Sequence 2, Application US/09917278

Patent No. US20020168364A1

GENERAL INFORMATION:

APPLICANT: GORCZYNSKI, Reginald M.

APPLICANT: Clark, David A.

TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth

FILE REFERENCE: 9579-39

CURRENT APPLICATION NUMBER: US/09/917,278

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: US 60/064,764

PRIOR FILING DATE: 1997-11-07

PRIOR APPLICATION NUMBER: US 60/222,725

PRIOR FILING DATE: 2000-08-03

NUMBER OF SEQ ID NOS: 22

SOFTWARE: PatentIn version 3.1

SEQ ID NO 2

LENGTH: 278

TYPE: PRT

ORGANISM: Mus musculus

US-09-917-278-2

Query Match 79.4%; Score 1133; DB 10; Length 278;

Best Local Similarity 78.0%; Pred. No. 3.1e-103;

Matches 213; Conservative 29; Mismatches 31; Indels 0; Gaps 0;

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Db 5 VRRPFCILSTYSLWMAAVALSTAQVEVTOBERKALHTTASLRCSLKTQEBLIYTW 64

QY 61 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 120

Db 65 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 124

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Db 125 TFGGKISGTACTLVYVOPISLHYKFSFDHLNITCSATAPAPVFWKVPFRSGIENSTV 184

QY 181 TSHNGTTSVTSILHIKDPKNOVEKEVICQVHLGTVDFKQTVNKGWFSVPLLSIV 240

Db 185 SHHSNGTTSVTSILRIKDPKNOVEKEVICQVHLGTVDFKQTVNKGWFSVPLLSIV 244

QY 241 SLVILLVILISILLYWKRRHNRGESSQGMORM 273

Db 245 SLVILLVILISILLYWKRRHNRGESSQGMORM 277

RESULT 9

US-10-086-972-2

Sequence 2, Application US/10086972

Publication No. US20020192215A1

GENERAL INFORMATION:

APPLICANT: Hoeck, Robert M.

APPLICANT: Sedgwick, Jonathan D.

TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related

FILE REFERENCE: DX0936K

CURRENT APPLICATION NUMBER: US/10/086,972

PRIOR FILING DATE: 2002-03-01

PRIOR APPLICATION NUMBER: US/09/547,432

NUMBER OF SEQ ID NOS: 3

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 278

TYPE: PRT

ORGANISM: rodent

US-10-086-972-2

Query Match 79.4%; Score 1133; DB 14; Length 278;

Best Local Similarity 77.3%; Pred. No. 2.4e-102;

Matches 211; Conservative 29; Mismatches 33; Indels 0; Gaps 0;

QY 1 VIRMPFSLHSTYSLVWMAAVLCTAQOVVTOBEROGLYTTASIKCSLQNAOELIYTW 60

Db 5 VRRPFCILSTYSLWMAAVALSTAQVEVTOBERKALHTTASLRCSLKTQEBLIYTW 64

QY 61 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 120

Db 65 OKKAVSPENNVTSSEHNGVVIOPAYKDKINITQGLONSTITFNITLDEBGCYMCLEN 124

QY 121 TFGGKISGTACTLVYVOPISLHYKFSFDHLNITCSATAPAPVFWKVPFRSGIENSTV 180

Db 125 TFGGKISGTACTLVYVOPISLHYKFSFDHLNITCSATAPAPVFWKVPFRSGIENSTV 184

QY 181 TSHNGTTSVTSILHIKDPKNOVEKEVICQVHLGTVDFKQTVNKGWFSVPLLSIV 240

Db 185 SHHSNGTTSVTSILRIKDPKNOVEKEVICQVHLGTVDFKQTVNKGWFSVPLLSIV 244

QY 241 SLVILLVILISILLYWKRRHNRGESSQGMORM 273

Db 245 SLVILLVILISILLYWKRRHNRGESSQGMORM 277

RESULT 10

US-10-086-972-3

Sequence 3, Application US/10086972

Publication No. US20020192215A1

GENERAL INFORMATION:

APPLICANT: Hoeck, Robert M.

APPLICANT: Sedgwick, Jonathan D.

TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related

FILE REFERENCE: DX0936K

CURRENT APPLICATION NUMBER: US/10/086,972

PRIOR FILING DATE: 2002-03-01

PRIOR APPLICATION NUMBER: US/09/547,432

NUMBER OF SEQ ID NOS: 3

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3

LENGTH: 278

TYPE: PRT

ORGANISM: rodent

US-10-086-972-3

Query Match	77.8%	Score 110;	DB 10;	Length 278;
Best Local Similarity	76.6%	Pred. No. 5.8e-101;		
Matches 209;	Conservative 29;	Mismatches 35;	Indels 0;	Gaps 0

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RESULT 12
US-09-934-634-21
; Sequence 21, Application US/09934634
; Patent No. US20020151485A1
; GENERAL INFORMATION:
; APPLICANT: Goleczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ. ID NOS.: 22
; SOFTWARE: PatentIn version 3.0
; SEQ. ID NO. 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-934-634-21

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Query Match      77.8%; Score 1110; DB 10; Length 278;
Best Local Similarity 76.6%; Pred. 5.8e-101;
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0

QY      1 VIRMPFHSHTSYSLVWMAAVLCTNQOVVVODEREQLYTASLKCSIQNOOEALIVTW 60
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RESULT 13  
US-09-917-278-21

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/ Patent NO. US20020168564A1
/ GENERAL INFORMATION:
/ APPLICANT: Goiczynski, Reginald M.
/ APPLICANT: Clark, David A.
/ TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth
/ FILE REFERENCE: 9579-39
/ CURRENT APPLICATION NUMBER: US/09/917,278
/ CURRENT FILING DATE: 2001-07-30
/ PRIOR APPLICATION NUMBER: US 60/064,764
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/222,725
/ PRIOR FILING DATE: 2000-08-03
/ NUMBER OF SEQ ID NOS: 22
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 21
/ LENGTH: 278
/ TYPE: FRT
/ ORGANISM: Rattus norvegicus
/ US-09-917-278-21

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Query Match	77.8%	Score 110;	DB 10;	Length 278;
Best Local Similarity	76.6%	Pred. No. 5.8e-101;		
Matches 209;	Conservative 29;	Mismatches 35;	Indels 0;	Gaps 0.

QY	1	VIRNPEHSHSTYSYLWMAA	VLCQAQOVVQDREOLYTTASIKCSIQNAQBALIVT	60
Db	5	VFRPFHSHSTYSYLMAIAA	VALNSTQNEVAVTQDRKLHHTASRCSLKTQEPFLVTM	64
QY	61	QKKKAVPENMTFSENHGVI	IQAPYKDKINITQGLONSTTFMNITLEDEGCMCFN	120
Db	65	QKKKAVPENMTVYSKAHGV	VIQPTKYORINTTEGLNITSITFMNTITLDDGGCYMCLFN	124
QY	121	TEPGKSGISACTVYVOPIS	VLHKFESDHINITSATAPAPVPMKVPGRSIEGNTV	180
Db	125	MFQSGKXSGACTLLVOPIS	VHLHNVFEBHINITSATAPAPAPISKXGSGIEGNTS	184
QY	181	TLSHPNQTSVTSILHI	KOPKNQVKEVICYVLHTIGTITDFKQOTNKGWFSVLLSIV	240
Db	185	SHSISNQTSVTSILAKV	PKTQVGEVICYVLIGNVIDYKQSLDKGFWFSVLLLSIV	244
QY	241	SLVTLVLVILISILYKRR	HRNDRGELISQGVQNM	273
Db	245	SLVTLVLVILISILYKRR	HRNDRGESSQGVQNM	277

RESULT 14  
US-09-959-845-6  
; Sequence 6, Application US/09959845  
; Publication No. US20030008334A1  
; GENERAL INFORMATION:  
; APPLICANT: Yoshimi TAKAI

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; APPLICANT: Hiroyuki NAKANISHI
; APPLICANT: Keiko SATO
; APPLICANT: Kenichi TAKAHASHI
; TITLE OF INVENTION: Protein Nectin-3
; FILE REFERENCE: 2001-1578A/LC/00653
; CURRENT APPLICATION NUMBER: US/09/959,845
; CURRENT FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01871
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: JP 2000-065595
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO: 6
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Mouse
US-09-959-845-6
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Query Match      13.4%; Score 191.5; DB 11; Length 438;
Best Local Similarity 24.8%; Pred. No. 2.9e-10;
Matches 52; Conservative 36; Mismatches 97; Indels 25; Gaps 4;
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QY      44 SLKCSLQNAQELIVTWQKKAVSPENNVTFSENHGVIIQPAYKDKINITQLGLNSTTT 103
      ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      75 SLKCLIEVNETITQISWEKIHGKSTQTVAVHHPOYGFVSQGDYQGRVLFKNYSLNDATTT 134

QY      104 FWNITLEDGECYMCLENTFGKISGTACTLVYVQPIVSLHYKFSFDHLN-----IT 155
      ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      135 LHNIGFSDGKYICAKVTFPLGNQSSSTTVLVEPTVSL-IKGPDSLIDGNETVAAYC 193

QY      156 CSATARPAPMFWKVPKRSIGENSTVTLSPNGTSTVTSILHKDPKNQVGEVICOVLHL 215
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      194 VAATGKPVQIDWEGDLGEMESSTT--SFPNETATIVSQYKLFPTFRFARGRITCVVCHP 251

QY      216 GTVTDFKQ-----TVNKGYPF 231
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      252 ALEKDIRYSFLIDIQVAPEVSVTGYDGNWF 281
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```

RESULT 15
US-09-972-268-19
; Sequence 19, Application US/09972268
; Publication No. US2003004893A1
; GENERAL INFORMATION:
; APPLICANT: Baum, Peter R.
; APPLICANT: Fanelow, William C.
; APPLICANT: Lofton, Timothy E.
; APPLICANT: Sorensen, Eric A.
; APPLICANT: Youakim, Adel
; TITLE OF INVENTION: NECTIN POLYPEPTIDES, POLYNUCLEOTIDES, METHODS OF MAKING AND USE T
; FILE REFERENCE: 3101-A
; CURRENT APPLICATION NUMBER: US/09/972,268
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 60/238,557
; PRIOR FILING DATE: 2000-10-05
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: Patentin version 3.1
; SEQ ID NO: 19
; LENGTH: 438
; TYPE: PRT
; ORGANISM: mus musculus
US-09-972-268-19
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```

Query Match      13.4%; Score 191.5; DB 11; Length 438;
Best Local Similarity 24.8%; Pred. No. 2.9e-10;
Matches 52; Conservative 36; Mismatches 97; Indels 25; Gaps 4;
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```

QY      44 SLKCSLQNAQELIVTWQKKAVSPENNVTFSENHGVIIQPAYKDKINITQLGLNSTTT 103
      ||| : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      75 SLKCLIEVNETITQISWEKIHGKSTQTVAVHHPOYGFVSQGDYQGRVLFKNYSLNDATTT 134

QY      104 FWNITLEDGECYMCLENTFGKISGTACTLVYVQPIVSLHYKFSFDHLN-----IT 155
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DB      135 LHNIGFSDGKYICAKVTFPLGNQSSSTTVLVEPTVSL-IKGPDSLIDGNETVAAYC 193
QY      156 CSATARPAPMFWKVPKRSIGENSTVTLSPNGTSTVTSILHKDPKNQVGEVICOVLHL 215
DB      194 VAATGKPVQIDWEGDLGEMESSTT--SFPNETATIVSQYKLFPTFRFARGRITCVVCHP 251

QY      216 GTVTDFKQ-----TVNKGYPF 231
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      252 ALEKDIRYSFLIDIQVAPEVSVTGYDGNWF 281
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Search completed: November 26, 2003, 10:39:53
Job time : 24.1084 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 26, 2003, 10:17:08 ; Search time 12.5446 Seconds  
(without alignments)  
924.158 Million cell updates/sec

Title: US-09-934-634-19

Perfect score: 1427

Sequence: 1 VIRMPFSLSTYSLVWMAA.....MKRRNDRGELSGGVOKMT 274

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA: \*  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep: \*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep: \*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep: \*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep: \*  
5: /cgn2\_6/ptodata/1/1aa/6C\_COMB.pep: \*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1427	100.0	274	US-09-570-367C-19	Sequence 19, Appl
2	1133	79.4	278	US-09-570-367C-2	Sequence 2, Appl
3	1110	77.8	278	US-09-570-367C-21	Sequence 21, Appl
4	181	12.7	458	US-09-435-956A-1	Sequence 1, Appl
5	164	11.5	408	US-09-724-864-62	Sequence 62, Appl
6	139	9.7	309	US-09-667-135-6	Sequence 6, Appl
7	139	9.7	558	US-09-667-135-31	Sequence 31, Appl
8	133	9.3	318	US-09-068-051A-32	Sequence 32, Appl
9	131.5	9.2	319	US-08-597-495B-22	Sequence 22, Appl
10	131.5	9.2	319	US-09-068-051A-22	Sequence 22, Appl
11	131.5	9.2	319	US-09-336-536-67	Sequence 67, Appl
12	131.5	9.2	319	US-09-654-465A-6	Sequence 6, Appl
13	129	9.0	329	US-09-651-200-21	Sequence 32, Appl
14	128	9.0	323	US-09-651-200-21	Sequence 32, Appl
15	128	9.0	323	PCT-US94-09642-2	Sequence 2, Appl
16	128	9.0	329	US-08-456-104-2	Sequence 2, Appl
17	128	9.0	329	US-08-101-624-2	Sequence 2, Appl
18	128	9.0	329	US-08-479-744A-2	Sequence 2, Appl
19	128	9.0	329	US-08-280-757B-2	Sequence 2, Appl
20	128	9.0	329	US-08-205-697A-23	Sequence 23, Appl
21	128	9.0	329	US-08-702-525-23	Sequence 23, Appl
22	128	9.0	329	US-08-403-253A-4	Sequence 23, Appl
23	128	9.0	329	US-08-435-816A-4	Sequence 4, Appl
24	128	9.0	329	PCT-US95-02576-23	Sequence 23, Appl
25	122	8.5	490	US-09-667-135-28	Sequence 28, Appl
26	120.5	8.4	534	US-09-651-200-6	Sequence 6, Appl
27	120.5	8.4	534	US-09-651-200-24	Sequence 24, Appl

28	119	8.3	273	4	US-09-254-465A-26	Sequence 26, Appl
29	119	8.3	393	1	US-08-429-742-2	Sequence 2, Appl
30	118.5	8.3	640	4	US-09-996-243-501	Sequence 501, Appl
31	117.5	8.2	329	4	US-09-651-200-19	Sequence 19, Appl
32	116.5	8.2	318	6	5242798-5	Patent No. 5242798
33	116.5	8.2	325	4	US-09-651-200-20	Sequence 20, Appl
34	116.5	8.2	1651	3	US-09-540-245A-18	Sequence 18, Appl
35	116	8.1	303	4	US-09-651-200-23	Sequence 23, Appl
36	116	8.1	309	2	US-08-456-104-4	Sequence 4, Appl
37	116	8.1	309	3	US-08-479-744A-23	Sequence 23, Appl
38	116	8.1	309	3	US-08-280-757B-23	Sequence 23, Appl
39	116	8.1	309	3	US-08-205-697A-21	Sequence 21, Appl
40	116	8.1	309	3	US-08-702-525-21	Sequence 21, Appl
41	116	8.1	309	4	US-09-651-200-22	Sequence 22, Appl
42	116	8.1	309	4	US-09-667-135-23	Sequence 23, Appl
43	116	8.1	309	5	PCT-US95-02576-21	Sequence 21, Appl
44	116	8.1	314	3	US-08-205-697A-13	Sequence 13, Appl
45	116	8.1	314	3	US-08-702-525-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1  
US-09-570-367C-19  
; Sequence 19, Application US/09570367C  
; Patent No. 6338851  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
; FILE REFERENCE: 9579-21  
; CURRENT APPLICATION NUMBER: US/09/570,367C  
; CURRENT FILING DATE: 2000-05-05  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; PRIOR FILING DATE: 1997-11-07  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 19  
; LENGTH: 274  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-570-367C-19

Query Match 100.0%; Score 1427; DB 4; Length 274;  
Best Local Similarity 100.0%; Pred. No. 4.8e-138;  
Matches 274; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VIRMPFSLSTYSLVWMAA...VLTCAQOVVTOBERQLYTTASLKCSLQNAQALIVTW 60  
DB 1 VIRMPFSLSTYSLVWMAA...VLTCAQOVVTOBERQLYTTASLKCSLQNAQALIVTW 60  
QY 61 OKKAAVPENNVTFSENNHGVVIOPAYKDKINITQLGONSTTTFWNITLEDGCGYCLFN 120  
DB 61 OKKAAVPENNVTFSENNHGVVIOPAYKDKINITQLGONSTTTFWNITLEDGCGYCLFN 120  
QY 121 TFGGKISGKTCCTVVOPIVLSLHKFSEDLNITTCATAPAPAMVFWKVRSGIENSTV 180  
DB 121 TFGGKISGKTCCTVVOPIVLSLHKFSEDLNITTCATAPAPAMVFWKVRSGIENSTV 180  
QY 181 TLPSPNGTSTVSTSLHKIDPNQVGEKVICOVHLGTVTDEKQTVNKGWFSVLLLSIV 240  
DB 181 TLPSPNGTSTVSTSLHKIDPNQVGEKVICOVHLGTVTDEKQTVNKGWFSVLLLSIV 240  
QY 241 SLVILVLIVISILLYWKRRNDRGELSGGVOKMT 274  
DB 241 SLVILVLIVISILLYWKRRNDRGELSGGVOKMT 274

RESULT 2  
US-09-570-367C-2  
; Sequence 2, Application US/09570367C  
; Patent No. 6338851  
; GENERAL INFORMATION:

```

; APPLICANT: Gorczyński, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 278
; TYPE: prt
; ORGANISM: Mus musculus
; US-09-570-367C-2

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Query Match	79.4%	Score 1133;	DB 4;	Length 278;
Best Local Similarity	78.0%;	Pred. No. 6.3e-108;		
Matches 213; Conservative	29;	Mismatches 31;	Indels 0;	Gaps 0

Qy	VIRNPFHSHTYSYLWMAVAVLCTPOVOVMQDRREDOLYTTASJCSLOAJOEALVTW	60
Db	5 VFRRPFHSTYSYLINGMAVAALSTPOEVVTODERKALHTTASJCSLKSQDPLVTW	64
Qy	QKKKAVSPENMVTFSNNHGVITOPAYKDKINTQLONSTTFMNITLDEGCGMCFN	120
Db	65 QKKKAVSPENMVTYSKTHGVITOPAKDKINTETGLNMSSTTFMNITLDEGCGMCFN	124
Qy	TFGFGKSGACLTIVVOPVLSLHYKFSRBDHNTICSATAPAPVFMKVPGRSGIENSTV	180
Db	125 TFGSQKSGACLTIVVOPVLSLHYKFSRBDHNTICSATAPAPVFMKGTGTGIENSTE	184
Qy	TLSPHNGTSTVTSILHKDPKQOVGKEVICQVLTGLGTVDYFKQTVNKGWFSVBLLSIV	240
Db	185 SHFHSNGTSTVTSILKVPKPTQVGKEVICQVLTGLGVNDYKQSLDKGFMFSVBLLSIV	244
Qy	SLVTLVLVLSILLYMKRHRNODRGELSGOVQGM	273
Db	245 SLVTLVLVLSILLYMKRHRNODRGESGOGMOGM	277

RESULT 3  
 US-09-570-367C-21  
 : Sequence 21. Application US/09570367C  
 : Patent No. 6338851  
 : GENERAL INFORMATION:  
 : APPLICANT: Gorczyński, Reginald M.  
 : TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
 : FILE REFERENCE: 9579-21  
 : CURRENT APPLICATION NUMBER: US/09/570,367C  
 : CURRENT FILING DATE: 2000-05-05  
 : PRIOR APPLICATION NUMBER: US 60/064,764  
 : PRIOR FILING DATE: 1997-11-07  
 : NUMBER OF SEQ ID NOS: 22  
 : SOFTWARE: Patentin version 3.0  
 : SEQ ID NO 21  
 : LENGTH: 278  
 : TYPE: PRF  
 : ORGANISM: Rattus norvegicus  
 : US-09-570-367C-21

	Query Match	77.8%	Score 110	DB 4	Length 278
	Best Local Similarity	76.6%	Pred. No. 1.4e-105		
	Matches 209	Conservative 29	Identities 35	Indels 0	Gaps 0
Qy	1	VIRPFPSHLSYSLVWMAAVLCAQOVVQDEREOLYTTASLKSCLONQNEALITW	60		
Db	5	VFRPFCHLSYSLMAIAVALSTAOVEVQDERKLIHTASLJCSLKTQEPILITW	64		
Qy	61	OKKRAVSENNMTFSENHGVVQAPAKKINITQLGQSTITFNMTILEDEGCYMLFN	120		
Db	65	OKKRAVGEENMTYSKAGGVVQIPYKORINTTEGLNTSTITFNMTILDDGCGMCLFN	124		
Qy	121	TFGFGISGTACTIVVQPIVSLAHKFSBDHINTCSATARDAPMFWKVPKSGIENSTV	180		

Db 125 MFSGKVSQACLTLYGPRIYALHNYPENHLLNTCSATAPAPALIMKGTGSGIENSTE 184

QY 181 TSHPNQCTTSVSIHLIKDPKKNQVKEVICYLHLGTYTDPKQIYVNGKGYMFSVLLLSIV 240

Db 185 SHSHSGTTSVSIIRVKDPKQVKEVICYLYLGNIYDKOSLDKGFWSVPLLSIV 244

QY 241 SLVITLLVLSILLYWKRRHNDRGELSGOVQRM 273

Db 245 SLVITLLVLSILLYWKRRHNDRGSSGQMORM 277

RESULT 4  
US-09-435-956A-1  
; Sequence 1, Application US/09435956A

```

1  GENERAL INFORMATION:
2  APPLICANT:  Università degli Studi di Bologna
3  APPLICANT:  Institut National de la Santé et de la Recherche M
4  TITLE OF INVENTION:  HgR and Related V Domain for the Manufacture of a
5  TITLE OF INVENTION:  Medicament for Preventing or Treating HSV-1, HSV-2 and
6  TITLE OF INVENTION:  BHV Infections
7  FILE REFERENCE:  MODIANO
8  CURRENT APPLICATION NUMBER:  US/09/435,956A
9  CURRENT FILING DATE:  1999-11-09
10 NUMBER OF SEQ. ID NOS.:  2
11 SOFTWARE:  PatentIn Ver. 2.1
12 SEQ ID NO 1
13
14     LENGTH: 458
15     TYPE: PRT
16 ORGANISM:  Homo sapiens
17
18 FEATURE:
19
20 OTHER INFORMATION:  Original Source:  HeLa Cell Line
21 OTHER INFORMATION:  General Functional Class of Gene:  Immunoglobulin
22 OTHER INFORMATION:  Superfamily
23 OTHER INFORMATION:  Binding Macromolecules:  HSV-gD
24 OTHER INFORMATION:  Subcellular localisation:  Plasma Membrane
25 OTHER INFORMATION:  Other Information:  Viral Receptor
26
27 US-09-435-956A-1

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[illegible]

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, RESULT 5
, US-09-724-864-62
, Sequence 62, Application US/09724864
, Patent No. 6380362
, GENERAL INFORMATION:
, APPLICANT: Watson, James D.
, APPLICANT: Marison, James G.
, TITLE OF INVENTION: polynucleotides, polypeptides expressed
, by the polynucleotides and methods for their use
, FILE REFERENCE: 11000.1050U1
, CURRENT APPLICATION NUMBER: US/09/724.864
, CURRENT FILING DATE: 2000-11-28

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;; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171, 678  
;; PRIOR FILING DATE: 1999-12-23  
;; NUMBER OF SEQ ID NOS: 72  
;; SOFTWARE: FASTSEQ for Windows Version 4.0  
;; SEQ ID NO 62  
;; LENGTH: 408  
;; TYPE: PRT  
;; ORGANISM: Mouse  
US-09-724-864-62

Query Match 11.5%; Score 164; DB 4; Length 408;  
Best Local Similarity 27.9%; Pred. No. 1.9e-08;  
Matches 53; Conservative 27; Mismatches 84; Indels 26; Gaps 6;

QY 42 TASLKCSIQNQEAL--VTWCKKAVSPENNV--TFSENHGVVIOPAKDKINITQLGQ 98  
DB 45 STTHCSLTSNENVTITQITWKKKSGSHALVAFHPRKGNIEPRVFLAAQODLR 104  
QY 99 NSTITFNNITLEDGCMCLFNTFGFGKISGTACTVVOPIVSLHYKSEDLNIT--- 155  
DB 105 NASLAISLVSDEGIVYECQIATFPGSGRSTVAMLKQARP-----KQTALEPSPTL 158  
QY 156 -----CSATAPAPVFWKPRSGIENSTVTLSPN--GITSVTSILHXDPKNQV 204  
DB 159 ILQVAKCISANGHPGRISWP---SNVNGSHREKKEPGSGPTTIVTSLSMVPSPQAD 215  
QY 205 GKEVICQVLH 214  
DB 216 GKNITCTVEH 225

## RESULT 6

US-09-667-135-6  
; Sequence 6, Application US/09667135  
; Patent No. 6521749  
; GENERAL INFORMATION:  
; APPLICANT: Vincent Ling  
; APPLICANT: Kyriaki Dunusi-Joannopoulos  
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR  
; FILE REFERENCE: GNN-007  
; CURRENT APPLICATION NUMBER: US/09/667,135  
; CURRENT FILING DATE: 2000-09-21  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 309  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-667-135-6

Query Match 9.7%; Score 139; DB 4; Length 309;  
Best Local Similarity 22.1%; Pred. No. 4.7e-06;  
Matches 63; Conservative 56; Mismatches 94; Indels 72; Gaps 16;

QY 23 LCTAOVVVTODE--REQLYTTASLKCSL-----QNAQEALIVTMQKKA 65  
DB 11 LFFSLRADTQEKKEVRAMVSGDVELSCACPGSRFDLNDVYVWQTSKTVVYHHPON 70  
QY 66 VSPENMVTFSNHNHGVVIOPAKDKINITQLGONS--TITFNNITLEDGCMCLF--NT 121  
DB 71 SLEN-----VDSRYRNRLMSPAGMLRGDFSLRLFNVTPODEQKFCGLVLSQS 119  
QY 122 FGFKISGTACTIVVO-----PIVSLHYKSEDLNITC--SATAPAPVFW--KVPRS 173  
DB 120 LGFQEVLSVE-VTLHVAANFSVPVVASPHSPQDELFTCTISINGYPRPNYMWINKT DNS 178  
QY 174 -----GIENSTVTLSPNGTTSVTSILHI--KDPKNQV-----KEVICQVLHGVTV--DFK 222  
DB 179 LLDQALQNDIVFL--NMRGLIVDVSVLRIARTPSVNIGCCIEENVLQQLVIGSGTGNDIG 237  
QY 223 Q-----TVNKGWFSVPLLSIVSLVILVILISILLYW 255  
DB 238 ERDKITENPVSTGEKNATW-----SILAVALCLLVVAVAIQW 275

RESULT 7  
US-09-667-135-31  
; Sequence 31, Application US/09667135  
; Patent No. 6521749  
; GENERAL INFORMATION:  
; APPLICANT: Vincent Ling  
; APPLICANT: Kyriaki Dunusi-Joannopoulos  
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR  
; FILE REFERENCE: GNN-007  
; CURRENT APPLICATION NUMBER: US/09/667,135  
; CURRENT FILING DATE: 2000-09-21  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FASTSEQ for Windows Version 4.0  
; SEQ ID NO 31  
; LENGTH: 558  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; NAME/KEY:  
; LOCATION:  
US-09-667-135-31

Query Match 9.7%; Score 139; DB 4; Length 558;  
Best Local Similarity 22.1%; Pred. No. 1.1e-05;  
Matches 63; Conservative 56; Mismatches 94; Indels 72; Gaps 16;

QY 23 LCTAOVVVTODE--REQLYTTASLKCSL-----QNAQEALIVTMQKKA 65  
DB 53 LFFSLRADTQEKKEVRAMVSGDVELSCACPGSRFDLNDVYVWQTSKTVVYHHPON 112  
QY 66 VSPENMVTFSNHNHGVVIOPAKDKINITQLGONS--TITFNNITLEDGCMCLF--NT 121  
DB 113 SLEN-----VDSRYRNRLMSPAGMLRGDFSLRLFNVTPODEQKFCGLVLSQS 161  
QY 122 FGFKISGTACTIVVO-----PIVSLHYKSEDLNITC--SATAPAPVFW--KVPRS 173  
DB 162 LGFQEVLSVE-VTLHVAANFSVPVVASPHSPQDELFTCTISINGYPRPNYMWINKT DNS 220  
QY 174 -----GIENSTVTLSPNGTTSVTSILHI--KDPKNQV-----KEVICQVLHGVTV--DFK 222  
DB 221 LLDQALQNDIVFL--NMRGLIVDVSVLRIARTPSVNIGCCIEENVLQQLVIGSGTGNDIG 279  
QY 223 Q-----TVNKGWFSVPLLSIVSLVILVILISILLYW 255  
DB 280 ERDKITENPVSTGEKNATW-----SILAVALCLLVVAVAIQW 317

## RESULT 8

US-09-068-051A-32  
; Sequence 32, Application US/09068051A  
; Patent No. 6291235  
; GENERAL INFORMATION:  
; APPLICANT: Old, Lloyd J.; Welt, Sydney; Rittner, Gerd;  
; Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
; Catimel, B.; Ji, Hong; Burgess, Anthony W.;  
; Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
; Associated Nucleic Acid Molecules, Protein And Peptides  
; NUMBER OF SEQUENCES: 33  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Fulbright & Jaworski LLP  
; STREET: 666 Fifth Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10103  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: Wordperfect

RESULT 9  
 US-08-597-495B-22  
 Sequence 22, Application US/08597495B  
 Patent No. 5712369  
 GENERAL INFORMATION:  
 APPLICANT: Old, Lloyd J.; Welt, Sydney; Ritzer, Gerd;  
 APPLICANT: Sampson, Richard J.; Nice, Edward; Moritz, R. L.;  
 APPLICANT: Catlinel, B.; Ji, Hong; Burgess, Anthony W.;  
 APPLICANT: Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
 TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
 TITLE OF INVENTION: Associated Nucleic Acid Molecules, Protein And Peptides  
 NUMBER OF SEQUENCES: 29  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Felfe & Lynch  
 STREET: 805 Third Avenue  
 CITY: New York City  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10022  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
 COMPUTER: IBM PS/2  
 OPERATING SYSTEM: PC-DOS  
 SOFTWARE: Wordperfect

RESULT 10  
 US-09-068-051A-22  
 Sequence 22, Application US/09068051A  
 Patent No. 6291235  
 GENERAL INFORMATION:  
 APPLICANT: Old, Lloyd J.; Welt, Sydney; Rutter, Gerd;  
 Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
 Carmeli, B.; Ji, Hong; Burgess, Anthony W.;  
 Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
 TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
 Associated Nucleic Acid Molecules, Protein And Peptides  
 NUMBER OF SEQUENCES: 33  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fulbright & Jaworski LLP  
 STREET: 666 Fifth Avenue  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10103  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
 COMPUTER: IBM PS/2  
 OPERATING SYSTEM: PC-DOS  
 SOFTWARE: Wordperfect  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/068,051A  
 FILING DATE: 10-Dec-1998



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CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/597,495
FILING DATE: 02-Feb-1996
APPLICATION NUMBER: 08/511,876
FILING DATE: 04-Aug-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 6291235man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5316.2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 318-3168
TELEFAX: (212) 752-5958
INFORMATION FOR SEQ ID NO: 22
SEQUENCE CHARACTERISTICS:
LENGTH: 319 amino acids
TYPE: amino acid
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 22
US-09-068-051A-22

Query Match
Best Local Similarity 22.1%; Score 131.5; DB 3; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

QY 12 YSLVWMAAVLCTAQQVVTODE--REQLYTTASLKCSLQ--NAQELLYTWQKKAV 66
DB 6 WFLVMTLCARVTVAISVETPODVLRAQSGKSVLPCTYHTSTSSRGLI-QMDKLLLT 64
QY 67 SPENNVTFE-ENHGAVIOPAYKDKINITQLGLQ-NSTITFMNITLEDGCYMCLENTFG- 123
DB 65 HTERVVIWPFNSKNVYHIGELYKNRVSISNNAEQSDASITIDQLTMAADNGTECSVLSMD 124
QY 124 -FGKISGTAQCTLVVQVQ-----IVSLHYKFSEDHLNITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLVLPSPKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
QY 171 PRSGIENSTVTLSPH-----NGTTSVTSILHIKDPKNQGVKEVICQVHLGTYTDFK 222
DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYICTSSNEBGTQ-FCNI-----TVAVRS 230
QY 223 QTVNKGWFSVPLLLSTVSLVILVLSILLYWKRRHND 262
DB 231 PSMNVALVYGI-----AVGVVAALITIGIITCCCCCKGKD 265

RESULT 11
US-09-336-536-67
Sequence 67, Application US/09336536
Patent No. 6406884
GENERAL INFORMATION:
APPLICANT: Leiby, K.
APPLICANT: McKay, C.
APPLICANT: Bossone, S.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-144
CURRENT APPLICATION NUMBER: US/09/336,536
CURRENT FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-336-536-67

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Best Local Similarity 22.1%; Score 131.5; DB 4; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

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DB 6 WFLVMTLCARVTVAISVETPODVLRAQSGKSVLPCTYHTSTSSRGLI-QMDKLLLT 64
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QY 124 -FGKISGTAQCTLVVQVQ-----IVSLHYKFSEDHLNITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLVLPSPKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
QY 171 PRSGIENSTVTLSPH-----NGTTSVTSILHIKDPKNQGVKEVICQVHLGTYTDFK 222
DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYICTSSNEBGTQ-FCNI-----TVAVRS 230
QY 223 QTVNKGWFSVPLLLSTVSLVILVLSILLYWKRRHND 262
DB 231 PSMNVALVYGI-----AVGVVAALITIGIITCCCCCKGKD 265

RESULT 12
US-09-254-465A-6
Sequence 6, Application US/09254465A
Patent No. 6410708
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Napier, Mary A.
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William I.
TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
OF DISEASES CHARACTERIZED BY A33-RELATED ANTIGENS
FILE REFERENCE: P1216R1 (US)
CURRENT APPLICATION NUMBER: US/09/254,465A
CURRENT FILING DATE: 1999-03-05
PRIORITY APPLICATION NUMBER: PCT/US98/24855
PRIORITY FILING DATE: 1998-11-20
PRIORITY APPLICATION NUMBER: US 60/066,364
PRIORITY FILING DATE: 1997-11-21
PRIORITY APPLICATION NUMBER: US 60/078,936
PRIORITY FILING DATE: 1998-03-20
PRIORITY APPLICATION NUMBER: PCT/US98/19437
PRIORITY FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 30
SEQ ID NO 6
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-254-465A-6

Query Match
Best Local Similarity 22.1%; Score 131.5; DB 4; Length 319;
Matches 62; Conservative 49; Mismatches 120; Indels 49; Gaps 14;

QY 12 YSLVWMAAVLCTAQQVVTODE--REQLYTTASLKCSLQ--NAQELLYTWQKKAV 66
DB 6 WFLVMTLCARVTVAISVETPODVLRAQSGKSVLPCTYHTSTSSRGLI-QMDKLLLT 64
QY 67 SPENNVTFE-ENHGAVIOPAYKDKINITQLGLQ-NSTITFMNITLEDGCYMCLENTFG- 123
DB 65 HTERVVIWPFNSKNVYHIGELYKNRVSISNNAEQSDASITIDQLTMAADNGTECSVLSMD 124
QY 124 -FGKISGTAQCTLVVQVQ-----IVSLHYKFSEDHLNITC-SATARPAPVFWKV 170
DB 125 LEGNTKSRVRLVLVLPSPKPEGIEGETIIG-----NNIQLTQSGKESGPTPOYSWK- 176
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DB 177 -RYNLINQOPLAOPASQGPVSLKNISTDTSGYICTSSNEBGTQ-FCNI-----TVAVRS 230
QY 223 QTVNKGWFSVPLLLSTVSLVILVLSILLYWKRRHND 262
DB 231 PSMNVALVYGI-----AVGVVAALITIGIITCCCCCKGKD 265
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Db 231 PSMNVALYVGI-----AVGVVALIIIGIIYCCCCRGKD 265

RESULT 13  
US-09-667

US-09-667-135-32  
; Sequence 32, Application US/09667135  
; Date: 05/17/00

; GENERAL INFORMATION:

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; APPLICANT: Vincent
; APPLICANT: Kyriaki

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; TITLE OF INVENTION:  
; FILE REFERENCE: GNM

CURRENT APPLICATION  
CURRENT FILING DATE

NUMBER OF SEQ ID NO

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; SOFTWARE: FASTSEQ 1
; SEQ ID NO 32

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; LENGTH: 329
; TYPE: PRT

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ORGANISM: Homo sapiens

NAME/KEY:

LOCATION:  
US-09-667-135-32

Query Match

Best Local Similarity  
Matches: 64.1. Consistent

PLACES OF COLLECT

13 SLVWMA  
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Db 11 NILEVMAE

QY 67 SPENMVT 11.1

Db 61 --ENLVL-

QY 121 --TFGFGH

Db 115 KKPTGMI

170 VPBCTEN

170 VFRSLEY  
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DB 175 TKNSTIEX

227 KGYWFS--  
QY

Db 230 SPFSIELE

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RESULT 14  
US-09-651-200-21

; Sequence 21, Application No. 6429303

GENERAL INFORMATION:

TITLE OF INVENTION:

;; TITLE OF INVENTION:  
; TITLE OF INVENTION:

FILE REFERENCE: 15  
CURRENT APPLICATION

CURRENT FILING DATE

PRIOR FILING DATE:

;; PRIOR APPLICATION NUMBER  
; PRIOR FILING DATE:

PRIOR APPLICATION NUMBER  
PRIOR FILING DATE.

NUMBER OF SEQ ID NO

; SOFTWARE: PatentLit  
; SEQ ID NO 21

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; LENGTH: 323
; TYPE: PRT

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

## OM protein - protein search, using sw model

Run on: November 26, 2003, 10:20:19 ; Search time 23.4458 Seconds  
(without alignments) updates/sec  
2186.970 Million cell

Title: US-09-934-634-21

Perfect score: 1458  
Sequence: 1 MGSPVFRFPFCHLSTYSLW.....MKHRNDRGSSSGQMQRMK 278

## Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 673684 seqs, 184443283 residues

Total number of hits satisfying chosen parameters: 673684

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1458	100.0	278	10	US-09-915-524-21 Sequence 21, App1
2	1458	100.0	278	10	US-09-934-634-21 Sequence 21, App1
3	1458	100.0	278	10	US-09-917-278-21 Sequence 21, App1
4	1441	98.8	278	14	US-10-086-972-3 Sequence 3, App1
5	1360	93.3	278	10	US-09-915-524-2 Sequence 2, App1
6	1360	93.3	278	10	US-09-934-634-2 Sequence 2, App1
7	1360	93.3	278	10	US-09-917-278-2 Sequence 2, App1
8	1354	92.9	278	14	US-10-086-972-2 Sequence 2, App1
9	1110	76.1	274	10	US-09-915-524-19 Sequence 19, App1
10	1110	76.1	274	10	US-09-934-634-19 Sequence 19, App1
11	1110	76.1	274	10	US-09-917-278-19 Sequence 19, App1
12	1110	76.1	274	14	US-10-086-972-1 Sequence 1, App1
13	1065	73.0	262	11	US-09-978-418-12 Sequence 12, App1
14	163.5	11.2	438	11	US-09-959-845-6 Sequence 6, App1
15	163.5	11.2	438	11	US-09-972-268-19 Sequence 19, App1

16	163.5	11.2	510	11	US-09-959-845-4 Sequence 4, App1
17	163.5	11.2	510	11	US-09-972-268-18 Sequence 18, App1
18	163.5	11.2	549	11	US-09-959-845-2 Sequence 2, App1
19	163.5	11.2	549	11	US-09-972-268-17 Sequence 17, App1
20	162	11.1	458	11	US-09-972-268-21 Sequence 21, App1
21	162	11.1	514	15	US-10-161-572-60 Sequence 60, App1
22	162	11.1	517	11	US-09-972-268-20 Sequence 20, App1
23	159.5	10.9	387	11	US-09-972-268-16 Sequence 16, App1
24	159.5	10.9	426	11	US-09-972-268-15 Sequence 15, App1
25	159.5	10.9	437	11	US-09-972-268-31 Sequence 31, App1
26	159.5	10.9	504	11	US-09-972-268-8 Sequence 8, App1
27	159.5	10.9	510	11	US-09-972-268-10 Sequence 10, App1
28	159.5	10.9	510	11	US-09-972-268-12 Sequence 12, App1
29	159.5	10.9	542	11	US-09-972-268-2 Sequence 2, App1
30	159.5	10.9	549	11	US-09-972-268-4 Sequence 4, App1
31	159.5	10.9	549	11	US-09-972-268-6 Sequence 6, App1
32	159.5	10.9	549	15	US-10-161-572-45 Sequence 45, App1
33	159.5	10.9	595	11	US-09-972-268-14 Sequence 14, App1
34	159.5	10.9	634	11	US-09-972-268-13 Sequence 13, App1
35	148	10.2	255	11	US-09-866-050A-703 Sequence 703, App
36	140.5	9.6	300	12	US-10-032-214-65 Sequence 65, App1
37	140.5	9.6	518	10	US-09-919-172-20 Sequence 20, App1
38	137.5	9.4	303	12	US-10-032-214-215 Sequence 215, App
39	135.5	9.3	417	11	US-09-972-268-25 Sequence 25, App1
40	135.5	9.3	498	11	US-09-972-268-39 Sequence 39, App1
41	134.5	9.2	303	12	US-10-032-214-59 Sequence 59, App1
42	134.5	9.2	303	12	US-10-032-214-197 Sequence 197, App
43	134	9.2	299	12	US-10-032-214-49 Sequence 49, App1
44	134	9.2	299	12	US-10-032-214-50 Sequence 50, App1
45	134	9.2	299	12	US-10-032-214-281 Sequence 281, App

## ALIGNMENTS

RESULT 1  
US-09-915-524-21  
Sequence 21, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczynski, Reginald M.  
TITLE OR INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: 2001-07-27  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 21  
LENGTH: 278  
TYPE: PRT  
ORGANISM: Rattus norvegicus  
US-09-915-524-21

Query Match	100.0%	Score 1458;	DB 10;	Length 278;
Best Local Similarity	100.0%;	Pred. No. 1.1e-139;		
Matches 278;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MGSPVFRFPFCHLSTYSLWAIAVAIASTAQVEVYVTDERLTLTTSLRCSLTTQEP	60	
DB	1	MGSPVFRFPFCHLSTYSLWAIAVAIASTAQVEVYVTDERLTLTTSLRCSLTTQEP	60	
QY	61	IVTQKKKAVPEEMVYTSKAGVVIQPTYKDRINITELGILNTSIFWNTTLDGCGYM	120	
DB	61	IVTQKKKAVPEEMVYTSKAGVVIQPTYKDRINITELGILNTSIFWNTTLDGCGYM	120	
QY	121	CLFNMFGSKVSGTACTLLVYQPIVHLAHYVFEHHLNITSATAPAPAIWSKGTSGIE	180	
DB	121	CLFNMFGSKVSGTACTLLVYQPIVHLAHYVFEHHLNITSATAPAPAIWSKGTSGIE	180	
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Qy      241 LSIIVSLVILVILISILLYWKRRHNOERGESSQGMORMK 278
Db      241 LSIIVSLVILVILISILLYWKRRHNOERGESSQGMORMK 278

RESULT 2
US-09-934-634-21
; Sequence 21, Application US/09934634
; Patent No. US20020151485A1
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility
; FILE REFERENCE: 9579-34
; CURRENT APPLICATION NUMBER: US/09/934,634
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/570,367
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-934-634-21

Query Match      100.0%; Score 1458; DB 10; Length 278;
Best Local Similarity 100.0%; Pred. No. 1,1e-139;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      241 LSIIVSLVILVILISILLYWKRRHNOERGESSQGMORMK 278

RESULT 3
US-09-917-278-21
; Sequence 21, Application US/09917278
; Patent No. US20020168364A1
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth
; FILE REFERENCE: 9579-39
; CURRENT APPLICATION NUMBER: US/09/917,278
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/222,725
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 278
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; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-917-278-21

Query Match      100.0%; Score 1458; DB 10; Length 278;
Best Local Similarity 100.0%; Pred. No. 1,1e-139;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      61 IVTWOKKKAAGPENNVVTSKAGVVIQPTVKORINITEGLNLTSTTFWNTTLDGGCYM 120
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Db      121 CLFNNFGSGKVSCTACTLVYQPIVHLHNYFEHHLNITCSATAPAPAIISWKGTSIGIE 180
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Db      181 NSTESHSHNGTTSVTSILRVKDPKTVQKEVICQVLYGNVIDYKOSLDKGFMSVPL 240
Qy      241 LSIIVSLVILVILISILLYWKRRHNOERGESSQGMORMK 278
Db      241 LSIIVSLVILVILISILLYWKRRHNOERGESSQGMORMK 278

RESULT 4
US-10-066-972-3
; Sequence 3, Application US/10086972
; Publication No. US20020192215A1
; GENERAL INFORMATION:
; APPLICANT: Hoek, Robert M.
; TITLE OF INVENTION: No. US20020192215A1e1 Uses of Mammalian OX2 Protein and Related
; TITLE OF INVENTION: Reagents
; FILE REFERENCE: DX0936K
; CURRENT APPLICATION NUMBER: US/10/066,972
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US/09/547,432
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 278
; TYPE: PRT
; ORGANISM: rodent
US-10-066-972-3

Query Match      98.8%; Score 1441; DB 14; Length 278;
Best Local Similarity 99.3%; Pred. No. 5,6e-138;
Matches 276; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      61 IVTWOKKKAAGPENNVVTSKAGVVIQPTVKORINITEGLNLTSTTFWNTTLDGGCYM 120
Db      61 IVTWOKKKAAGPENNVVTSKAGVVIQPTVKORINITEGLNLTSTTFWNTTLDGGCYM 120
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Db      121 CLFNNFGSGKVSCTACTLVYQPIVHLHNYFEHHLNITCSATAPAPAIISWKGTSIGIE 180
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Db 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278

## RESULT 5

US-09-915-524-2  
; Sequence 2, Application US/09915524  
; Patent No. US20020103151A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
; FILE REFERENCE: 9579-38  
; CURRENT APPLICATION NUMBER: US/09/915,524  
; PRIOR FILING DATE: 2001-07-27  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-915-524-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSPVFRPFCCHLSTYSILMAIAVAALSTAQVEVVTODERKLLHTTASLRCSLKTTOEPL 60  
Db 1 MGSIVFRPFCCHLSTYSILMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSGEPL 60  
QY 61 IVTWOKKKAAPENNVVTSKAGVVIOPTYKDRINTELGLNLSITFMNTTLLDGGCYM 120  
Db 61 IVTWOKKKAAPENNVVTSKAGVVIOPAYKDRINVELGLMNSITFMNTTLLDEGCYM 120  
QY 121 CLFNMFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
Db 121 CLFNTFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
QY 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
Db 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278  
Db 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278

## RESULT 6

US-09-934-634-2  
; Sequence 2, Application US/09934634  
; Patent No. US20020151485A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
; FILE REFERENCE: 9579-34  
; CURRENT APPLICATION NUMBER: US/09/934,634  
; PRIOR FILING DATE: 2001-08-23  
; PRIOR APPLICATION NUMBER: US 09/570,367  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-934-634-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSPVFRPFCCHLSTYSILMAIAVAALSTAQVEVVTODERKLLHTTASLRCSLKTTOEPL 60  
Db 1 MGSIVFRPFCCHLSTYSILMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSGEPL 60  
QY 61 IVTWOKKKAAPENNVVTSKAGVVIOPTYKDRINTELGLNLSITFMNTTLLDGGCYM 120  
Db 61 IVTWOKKKAAPENNVVTSKAGVVIOPAYKDRINVELGLMNSITFMNTTLLDEGCYM 120  
QY 121 CLFNMFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
Db 121 CLFNTFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
QY 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
Db 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278  
Db 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278

## RESULT 7

US-09-917-278-2  
; Sequence 2, Application US/09917278  
; Patent No. US20020168364A1  
; GENERAL INFORMATION:  
; APPLICANT: Gorczynski, Reginald M.  
; APPLICANT: Clark, David A.  
; TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
; FILE REFERENCE: 9579-19  
; CURRENT APPLICATION NUMBER: US/09/917,278  
; PRIOR FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US 60/064,764  
; PRIOR FILING DATE: 1997-11-07  
; PRIOR APPLICATION NUMBER: US 60/222,725  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-917-278-2

Query Match 93.3%; Score 1360; DB 10; Length 278;  
Best Local Similarity 93.2%; Pred. No. 9.5e-130;  
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;

QY 1 MGSPVFRPFCCHLSTYSILMAIAVAALSTAQVEVVTODERKLLHTTASLRCSLKTTOEPL 60  
Db 1 MGSIVFRPFCCHLSTYSILMGMAAVALSTAQVEVVTODERKALHTTASLRCSLKTSGEPL 60  
QY 61 IVTWOKKKAAPENNVVTSKAGVVIOPTYKDRINTELGLNLSITFMNTTLLDGGCYM 120  
Db 61 IVTWOKKKAAPENNVVTSKAGVVIOPAYKDRINVELGLMNSITFMNTTLLDEGCYM 120  
QY 121 CLFNMFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
Db 121 CLFNTFGSKVSGTACLTLYVQPIVHLHYNFEHHLNITCSATARPAPAIKMGKGTGIE 180  
QY 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
Db 181 NSTESHSHNGTTSVTSILRVKDPKTOVGKEVICQVLYLGNVIDYKOSLDKGFWSVPL 240  
QY 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278  
Db 241 LSIIVSLVLLVLIISILLYWKRRHQERGESGQGMQRMK 278

## RESULT 8

US-10-086-972-2  
; Sequence 2, Application US/10086972

Publication No. US20020192215A1  
GENERAL INFORMATION:  
APPLICANT: Hoeft, Robert M.  
APPLICANT: Sedgwick, Jonathan D.  
TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
FILE OF INVENTION: Reagents  
FILE REFERENCE: DX0936K  
CURRENT APPLICATION NUMBER: US/10/086,972  
CURRENT FILING DATE: 2002-03-01  
PRIOR APPLICATION NUMBER: US/09/547,432  
PRIOR FILING DATE: 2000-04-12  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 2  
LENGTH: 278  
TYPE: PRT  
ORGANISM: rodent  
US-10-086-972-2

Query Match 92.9%; Score 1354; DB 14; Length 278;  
Best Local Similarity 92.8%; Pred. No. 3.9e-129;  
Matches 258; Conservative 7; Mismatches 13; Indels 0; Gaps 0;

QY 1 MGSPPFRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTQEBL 60  
DB 1 MASLVFRPCHLSTYSLMGMMAVALSTAQVEVVTODERKLIHTTASLRCSLKTQEBL 60  
QY 61 IYTWOKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYM 120  
DB 61 IYTWOKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYM 120  
QY 121 CLFNNFGSGVSGTCLTYVQPIVHLHYNVEFHHLNTCSATAPAPASWKGSGSIE 180  
DB 121 CLFNNFGSGVSGTCLTYVQPIVHLHYNVEFHHLNTCSATAPAPASWKGSGSIE 180  
QY 181 NSTESHSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 240  
DB 181 NSTESHSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 240  
QY 241 LSVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 278  
DB 241 LSVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 278

## RESULT 9

US-09-915-524-19  
Sequence 19, Application US/09915524  
Patent No. US20020103151A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Immunomodulation  
FILE REFERENCE: 9579-38  
CURRENT APPLICATION NUMBER: US/09/915,524  
CURRENT FILING DATE: 2001-07-27  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-915-524-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTQEBL 64  
DB 1 VIRMPFSLSTYSLVWMAAVALCTAQVVTODERKLIHTTASLRCSLKTQEBL 60

QY 65 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 124  
DB 61 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 120  
QY 125 MFGSGVSGTCLTYVQPIVHLHYNVEFHHLNTCSATAPAPASWKGSGSIE 184  
DB 121 TFGGKISGTACTLVYVQPIVSLHVKFSEDLNTCSATAPAPASWKGSGSIE 180  
QY 185 SHSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 244  
DB 181 TFSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 240  
QY 245 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 277  
DB 241 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 273

## RESULT 10

US-09-934-634-19  
Sequence 19, Application US/09934634  
Patent No. US20020151485A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Fertility  
FILE REFERENCE: 9579-34  
CURRENT APPLICATION NUMBER: US/09/934,634  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: US 09/570,367  
PRIOR FILING DATE: 1998-05-05  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: Patent in version 3.0  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-934-634-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2.3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTQEBL 64  
DB 1 VIRMPFSLSTYSLVWMAAVALCTAQVVTODERKLIHTTASLRCSLKTQEBL 60  
QY 65 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 124  
DB 61 OKKAVGPENNVTYSKAGVVIQPTKDRINITEGLINTSITFWNTLLDGGCYMCLFN 120  
QY 125 MFGSGVSGTCLTYVQPIVHLHYNVEFHHLNTCSATAPAPASWKGSGSIE 184  
DB 121 TFGGKISGTACTLVYVQPIVSLHVKFSEDLNTCSATAPAPASWKGSGSIE 180  
QY 185 SHSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 244  
DB 181 TFSHNGTTSVTSILRVDPKTOVKEVICOVLVGNVYIDYKOSLDKGFMSVPL 240  
QY 245 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 277  
DB 241 SLVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVILVIL 273

## RESULT 11

US-09-917-278-19  
Sequence 19, Application US/09917278  
Patent No. US20020168364A1  
GENERAL INFORMATION:  
APPLICANT: Gorczyński, Reginald M.  
TITLE OF INVENTION: Methods and Compositions for Modulating Tumor Growth  
FILE REFERENCE: 9579-39  
CURRENT APPLICATION NUMBER: US/09/917,278

QY 5 VRRPCHLSTYSLMAIAVALSTAQVEVVTODERKLIHTTASLRCSLKTQEBL 64  
DB 1 VIRMPFSLSTYSLVWMAAVALCTAQVVTODERKLIHTTASLRCSLKTQEBL 60



CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US 60/064,764  
PRIOR FILING DATE: 1997-11-07  
PRIOR APPLICATION NUMBER: US 60/222,725  
PRIOR FILING DATE: 2000-08-03  
NUMBER OF SEQ ID NOS: 22  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 19  
LENGTH: 274  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-917-278-19

Query Match 76.1%; Score 1110; DB 10; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2,3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLMAIAVALSTAQVEVWTODEKRLHTTASLRCSLKTQEPILVTW 64  
DB 1 VIRMPFSHSTSLVWMAAVALCTRAQOVVTODEKQLYTTASLRCSLQNAQEAALIVTW 60  
QY 65 OKKAVGPNMTYTSKAGVVIQPTYKDRINITEGLNTSITFMNTLLDDGGCYWCLFN 124  
DB 61 OKKAVSPENMTYTSFENHGVVIOPAVKDKINITQLQNSITTFMNTLLEDEGCYWCLEN 120  
QY 125 MEGSGVSGTACLTLYVQIVLHLYVFEHHLNITCSATAPAPALSMKGTSGIENSTV 184  
DB 121 TGFSGISGTACLTLYVQIVSLHLYKFSSEHDLNITCSATAPAPAPMFWKVPSSGIENSTV 180  
QY 185 SHSNGTSTVSTLRVKDPKTQVGEVICOVLYLGNVDYKQSLDKGFMSVPLLSIV 244  
DB 181 TISHPMTTSTVSTLHVKPKQVGEVICOVHLGTVTDFKQTVNKGWFSVPLLSIV 240  
QY 245 SLVILLVLSILLWKRHRNOERGESSQGMORM 277  
DB 241 SLVILLVLSILLWKRHRNOERGELSGQVQKM 273

RESULT 12  
US-10-086-972-1  
Sequence 1, Application US/10086972  
Publication No. US20020192215A1  
GENERAL INFORMATION:  
APPLICANT: Hoeck, Robert M.  
APPLICANT: Sedgwick, Jonathan D.  
TITLE OF INVENTION: No. US20020192215A1 Uses of Mammalian OX2 Protein and Related  
FILE REFERENCE: DX0936K  
CURRENT APPLICATION NUMBER: US/10/086,972  
CURRENT FILING DATE: 2002-03-01  
PRIOR APPLICATION NUMBER: US/09/547,432  
PRIOR FILING DATE: 2000-04-12  
NUMBER OF SEQ ID NOS: 3  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 274  
TYPE: PRT  
ORGANISM: primate  
US-10-086-972-1

Query Match 76.1%; Score 1110; DB 14; Length 274;  
Best Local Similarity 76.6%; Pred. No. 2,3e-104;  
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;

QY 5 VRRPFCILSTSLMAIAVALSTAQVEVWTODEKRLHTTASLRCSLKTQEPILVTW 64  
DB 1 VIRMPFSHSTSLVWMAAVALCTRAQOVVTODEKQLYTTASLRCSLQNAQEAALIVTW 60  
QY 65 OKKAVGPNMTYTSKAGVVIQPTYKDRINITEGLNTSITFMNTLLDDGGCYWCLFN 124  
DB 61 OKKAVSPENMTYTSFENHGVVIOPAVKDKINITQLQNSITTFMNTLLEDEGCYWCLEN 120  
QY 125 MEGSGVSGTACLTLYVQIVLHLYVFEHHLNITCSATAPAPALSMKGTSGIENSTV 184

DB 121 TGFSGISGTACLTLYVQIVSLHLYKFSSEHDLNITCSATAPAPAPMFWKVPSSGIENSTV 180  
QY 185 SHSNGTSTVSTLRVKDPKTQVGEVICOVLYLGNVDYKQSLDKGFMSVPLLSIV 244  
DB 181 TISHPMTTSTVSTLHVKPKQVGEVICOVHLGTVTDFKQTVNKGWFSVPLLSIV 240  
QY 245 SLVILLVLSILLWKRHRNOERGESSQGMORM 277  
DB 241 SLVILLVLSILLWKRHRNOERGELSGQVQKM 273

RESULT 13  
US-09-978-418-12  
Sequence 12, Application US/09978418  
Publication No. US20030118997A1  
GENERAL INFORMATION:  
APPLICANT: Benjamin, Stephan  
APPLICANT: Tanaka, Hiroaki  
TITLE OF INVENTION: HUMAN CDNA5 AND PROTEINS AND USES THEREOF  
FILE REFERENCE: 142.US.REG  
CURRENT APPLICATION NUMBER: US/09/978,418  
CURRENT FILING DATE: 2002-10-15  
PRIOR APPLICATION NUMBER: 60/311,305  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/314,734  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 60/318,204  
PRIOR FILING DATE: 2001-09-07  
PRIOR APPLICATION NUMBER: 60/326,470  
PRIOR FILING DATE: 2001-10-01  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: JPatent  
SEQ ID NO 12  
LENGTH: 262  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SIGNAL  
LOCATION: 1..23  
US-09-978-418-12

Query Match 73.0%; Score 1065; DB 11; Length 262;  
Best Local Similarity 77.2%; Pred. No. 8,2e-100;  
Matches 200; Conservative 27; Mismatches 32; Indels 0; Gaps 0;

QY 9 PFCILSTSLMAIAVALSTAQVEVWTODEKRLHTTASLRCSLKTQEPILVTWOKK 68  
DB 2 PFSHSTSLVWMAAVALCTRAQOVVTODEKQLYTTASLRCSLQNAQEAALIVTWOKK 61  
QY 69 AVGPENMTYTSKAGVVIQPTYKDRINITEGLNTSITFMNTLLDDGGCYWCLFNMTGS 128  
DB 62 AVSPENMTYTSFENHGVVIOPAVKDKINITQLQNSITTFMNTLLEDEGCYWCLENFTG 121  
QY 129 GKVSGTACLTLYVQIVLHLYVFEHHLNITCSATAPAPAPALSMKGTSGIENSTESH 188  
DB 122 KRISGTACLTLYVQIVSLHLYKFSSEHDLNITCSATAPAPAPMFWKVPSSGIENSTVLSH 181  
QY 189 SNGTSTVSTLRVKDPKTQVGEVICOVLYLGNVDYKQSLDKGFMSVPLLSIVSVI 248  
DB 182 PGTSTVSTLHVKPKQVGEVICOVHLGTVTDFKQTVNKGWFSVPLLSIVSVI 241  
QY 249 LVLVLSILLWKRHRNOER 267  
DB 242 LVLVLSILLWKRHRNOER 260

RESULT 14  
US-09-959-845-6  
Sequence 6, Application US/09959845  
Publication No. US20030008334A1  
GENERAL INFORMATION:  
APPLICANT: Yoshimi TAKAI

```

1  APPLICANT: HIROYUKI NAKANISHI
2  APPLICANT: Katsuo SATO
3  APPLICANT: Kenichi TAKAHASHI
4  TITLE OF INVENTION: Protein Nectin-3
5  FILE REFERENCE: 2001-15784/LC/00553
6  CURRENT APPLICATION NUMBER: US/09/959,845
7  CURRENT FILING DATE: 2001-12-31
8  PRIOR APPLICATION NUMBER: PCT/JP01/01871
9  PRIOR FILING DATE: 2001-03-09
10 PRIOR APPLICATION NUMBER: JP 2000-065595
11 PRIOR FILING DATE: 2000-03-09
12 NUMBER OF SEQ ID NOS: 14
13 SOFTWARE: PatentIn Ver. 2.1
14 SEQ ID NO: 6
15 LENGTH: 438
16 TYPE: prt
17 ORGANISM: Mouse
18 US-09-959-845-6

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Query Match	11.2%	Score 163.5	DB 11	Length 438
Best Local Similarity	23.7%	Pred. No. 6.5e-08		
Matches	52	Conservative	35	Mismatches 103
				Indels 29
				Gaps 5

Dy 44 HTTA-----SLRCSLKTTPDLIVWQKKA VGPEMMVTYSKAGVVIQPTYKDRINIT 97  
|||:::|  
Dd 65 HFTAWGKNVSLKCLIEVNENITQTISWEKHGSTQVAVAHHNPQGFSGVDGGRVLTK 124  
|||:::|

```

QY      98 ELGLNTSTFTFWNTLDDGGCYMCLEPMFGSGKVSGLACTILYQPIVHLHY-----N 150
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db     125 NYSLNDATITLHNIGESDSGKYICKAVTFPLGNAQSTTYVYLVEPIVSLIKPDSLIDG 184

```

Dy 151 YFEHHLLNTCSATAPADAPAI\$WKGTGSGIENSTESHSHNGTTSVTLRVDKPTQYVK 210  
 : : | : : : : : : : : : :  
Db 185 GNEVVAAVCVAATGKRPVQIQDWECDGEMESTT--SPFNELATIVSQYLPPTRFARGR 2422

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QY      211 EVICQVLY--LGNVIDYKQSID-----KGFWF 235
      :  |  |  :  |  |  |  |  |  |  |  |  |  |  |  |
Db      243 RITCVVKHPALEKDIRYSFIIDIQAPAEVSVTGYDGNWF 281

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RESULT 15  
US-09-972-268-19

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Sequence 19 Application US/09972268
Publication No. US20030044893A1
GENERAL INFORMATION:
APPLICANT: Baum, Peter R.
APPLICANT: Farnlow, William C.
APPLICANT: Lofton, Timothy E.
APPLICANT: Sorensen, Eric A.
APPLICANT: Younakim, Adel
TITLE OF INVENTION: NECTIN POLYPEPTIDES, POLYNUCLEOTIDES, METHODS OF MAKING AND USE
FILE REFERENCE: 3101-A
CURRENT APPLICATION NUMBER: US/09/972,268
CURRENT FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 60/238,557
PRIOR FILING DATE: 2000-10-05
NUMBER OF SEQ ID NOS: 39
SOFTWARE: PatentIn version 3.1
SEQ ID NO 19
LENGTH: 438
TYPE: PRT
ORGANISM: mus musculus
IS-09-972-268--19

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Query Match	11.2%	Score 163.5	DB 11	Length 438
Best Local Similarity	23.7%	Pred. No. 6.5e-08		
Matches 52	Conservative 35	Mismatches 103	Indels 29	Gaps 5

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QY      44 HTTA-----SARCSLKTQEBRLYTMOAKKAVGEMNTVYSKAGVIVIDPTKYDRNIT  97
           |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db      65 HTZAVGVKVASLKLLENVETITQSMKIKNGSKIQYVAVNHPRQGVESVQDQIGRVLFK  124
           |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
QY      98 EKLGLNTSITFNNHTLLDDGCGCYMCLFNNFGSGKVSGLTACLLYQVPIVNLHY-----N  150
           |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||

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Db 125 NNSLNDATITLHNIGFSDSGKXICCAVTFPLGNQSSITTVLVLEPTVSLIKGPDLSIDG 1844

QY 151 YEEHHLNITCSATAPAPAPASWKGTSIGSIE NSTESHSHNGTTSVTSILRKVDKPTQVGK 210

Db 185 GNETVAACVAAATGCPVAQIDWEGDLGEMESSIT--SPNETATIVSQYKLPFRFARGR 2422

QY 211 EVICQVLY--LGNVIDYKQSLD-----KGFNF 235

Db 243 RITCVVKKPALEKDIRISFILDIOQAPAVSVSTGIDGNMF 281

Search completed: November 26, 2003, 10:39:54  
Job time : 24.4458 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 26, 2003, 10:17:08 ; Search time 12.7277 Seconds  
(without alignments)  
924.158 Million cell updates/sec

Title: US-09-934-634-21

Perfect score: 1458  
Sequence: 1 MGSPVFRFPCHLSTYSLLW.....MKRRHNRGRSSQGMQRMK 278

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1458	100.0	278	4	US-09-570-367C-21
2	1360	93.3	278	4	US-09-570-367C-2
3	1110	76.1	274	4	US-09-570-367C-19
4	161	11.0	458	4	US-09-435-956A-1
5	148	10.2	408	4	US-09-724-864-62
6	135	9.3	299	4	US-09-651-200-15
7	135	9.3	318	3	US-09-068-051A-32
8	126.5	8.7	325	4	US-09-651-200-20
9	126	8.6	329	4	US-09-667-135-32
10	125.5	8.6	319	1	US-08-597-495B-22
11	125.5	8.6	319	3	US-09-068-051A-22
12	125.5	8.6	319	4	US-09-336-536-67
13	125.5	8.6	319	4	US-09-254-465A-6
14	125	8.6	329	2	US-08-456-104-2
15	125	8.6	329	2	US-08-101-624-2
16	125	8.6	329	3	US-08-479-744A-2
17	125	8.6	329	3	US-08-280-757B-2
18	125	8.6	329	3	US-08-205-697A-23
19	125	8.6	329	3	US-08-702-525-23
20	125	8.6	329	4	US-08-403-253A-4
21	125	8.6	329	4	US-08-435-816A-4
22	125	8.6	329	5	PCT-US95-02576-23
23	124	8.5	292	4	US-09-303-040-4
24	122	8.4	292	4	US-09-651-200-16
25	122	8.4	292	4	US-09-303-040-2
26	115	7.9	323	4	US-09-651-200-21
27	115	7.9	323	5	PCT-US94-09642-2

28	111.5	7.6	1101	3	US-08-986-485-2	Sequence 2, Appl1
29	111	7.6	270	4	US-09-254-465A-24	Sequence 24, Appl1
30	111	7.6	273	4	US-09-254-465A-26	Sequence 26, Appl1
31	110.5	7.6	329	4	US-09-651-200-19	Sequence 19, Appl1
32	110.5	7.6	442	4	US-09-778-510-20	Sequence 20, Appl1
33	110	7.5	309	4	US-09-667-135-6	Sequence 6, Appl1
34	110	7.5	558	4	US-09-667-135-11	Sequence 389, App
35	107.5	7.4	215	4	US-09-996-243-389	Sequence 3, Appl1
36	107.5	7.4	218	3	US-09-068-655-7	Sequence 22, Appl1
37	106.5	7.3	423	4	US-09-778-510-22	Sequence 7, Appl1
38	106.5	7.3	462	2	US-08-752-307B-7	Sequence 7, Appl1
39	106.5	7.3	462	4	US-09-707-802-7	Sequence 7, Appl1
40	106.5	7.3	462	4	US-09-991-326-7	Sequence 5, Appl1
41	106.5	7.3	465	2	US-08-752-307B-5	Sequence 5, Appl1
42	106.5	7.3	465	4	US-09-707-802-5	Sequence 5, Appl1
43	106.5	7.3	465	4	US-09-991-326-5	Sequence 13, Appl1
44	105.5	7.2	946	5	PCT-US95-08493-13	Sequence 1, Appl1
45	103.5	7.1	589	2	US-08-724-394A-1	

## ALIGNMENTS

```
RESULT 1
US-09-570-367C-21
; Sequence 21, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczynski, Reginald M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; US-09-570-367C-21

Query Match      100.0%; Score 1458; DB 4; Length 278;
Best Local Similarity 100.0%; Pred. No. 2.8e-150;
Matches 278; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGSPVFRFPCHLSTYSLLWIAAVALSTAQVEVVTODERKLTHTTASIRCSLKTTOEPL 60
   |||||
DB 1 MGSPVFRFPCHLSTYSLLWIAAVALSTAQVEVVTODERKLTHTTASIRCSLKTTOEPL 60
   |||||

QY 61 IVTQKKKAVPENMVTYSKAGVIOPTYKDRINTELGLNLTSTFWNTTLDGGCYM 120
   |||||
DB 61 IVTQKKKAVPENMVTYSKAGVIOPTYKDRINTELGLNLTSTFWNTTLDGGCYM 120
   |||||

QY 121 CLFMFGSGKSGACLTLYVQPIVHLHYNFHHNLNTGCATRAPAISMKGSGSIE 180
   |||||
DB 121 CLFMFGSGKSGACLTLYVQPIVHLHYNFHHNLNTGCATRAPAISMKGSGSIE 180
   |||||

QY 181 NSTSHSHNSGTSVTSILRVKDPKTOVGKEVICOVLYLGNVIVYKOSLDKGFVSVLL 240
   |||||
DB 181 NSTSHSHNSGTSVTSILRVKDPKTOVGKEVICOVLYLGNVIVYKOSLDKGFVSVLL 240
   |||||

QY 241 LSIIVSLVILVILISILLYWKRRHNRGRSSQGMQRMK 278
   |||||
DB 241 LSIIVSLVILVILISILLYWKRRHNRGRSSQGMQRMK 278
   |||||

RESULT 2
US-09-570-367C-2
; Sequence 2, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
```

```
APPLICANT: Gorczyński, Reginałd M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 278
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-570-367C-2
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Query Match          93.3%; Score 1360; DB 4; Length 278;
Best Local Similarity 93.2%; Pred. No. 1.3e-139;
Matches 259; Conservative 7; Mismatches 12; Indels 0; Gaps 0;
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QY 1 MGSPVFRPCHLSTYSLMAIAVALSTAOVEVVTODERKLLHTTASLRCSLKTQEPIL 60
DB 1 MGSIVFRPCHLSTYSLMGWAVALSTAOVEVVTODERKLLHTTASLRCSLKTQEPIL 60
QY 61 IYTWQKKAVGPNMVTYSKAGVVIQPTVKDRINITEGLNTSITFMNTLLDDGCGYM 120
DB 61 IYTWQKKAVGPNMVTYSKTHGVIIQPAYKDRINITEGLNTSITFMNTLLDEGCGM 120
QY 121 CLFNNFGSGKVGCTACTLYVQPIVHLHNYFEHNLNTCSATAPAPAIWSKGTGSGIE 180
DB 121 CLFNNFGSGKVGCTACTLYVQPIVHLHNYFEHNLNTCSATAPAPAIWSKGTGSGIE 180
QY 121 NSTESHSHNGTSTYSILRVKDPKTQVKEVICOVLYLGNVIDYKQSLDKGFMSVPL 240
DB 121 NSTESHSHNGTSTYSILRVKDPKTQVKEVICOVLYLGNVIDYKQSLDKGFMSVPL 240
QY 241 LSVISLVILVLISILLYKRRHNOERGESSQGMQRMK 278
DB 241 LSVISLVILVLISILLYKRRHNOERGESSQGMQRMK 278
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```
RESULT 3
US-09-570-367C-19
; Sequence 19, Application US/09570367C
; Patent No. 6338851
; GENERAL INFORMATION:
; APPLICANT: Gorczyński, Reginałd M.
; TITLE OF INVENTION: Methods and Compositions for Immunomodulation
; FILE REFERENCE: 9579-21
; CURRENT APPLICATION NUMBER: US/09/570,367C
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/064,764
; PRIOR FILING DATE: 1997-11-07
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-570-367C-19
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Query Match          76.1%; Score 1110; DB 4; Length 274;
Best Local Similarity 76.6%; Pred. No. 2e-112;
Matches 209; Conservative 29; Mismatches 35; Indels 0; Gaps 0;
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QY 5 VFRPCHLSTYSLMAIAVALSTAOVEVVTODERKLLHTTASLRCSLKTQEPILVTV 64
DB 1 VIRPFSHLSYSLVWMAAVLCTAQVQVVTODERQQLYTASLKSQNAQELIIVTV 60
QY 65 QKKKAVGPNMVTYSKAGVVIQPTVKDRINITEGLNTSITFMNTLLDDGCGMCLFN 124
DB 61 QKKKAVGPNMVTYSKAGVVIQPAYKDRINITEGLNTSITFMNTLLDEGCGMCLFN 120
QY 125 MFGSGKVGCTACTLYVQPIVHLHNYFEHNLNTCSATAPAPAIWSKGTGSGIENST 184
```

```
DB 121 TFGKXISGCTACTLYVQPIVSLHVKFSEDLNTCSATAPAPAVFWKVPKRSIGENSTV 180
QY 185 SHSHNGTSTYSILRVKDPKTQVKEVICOVLYLGNVIDYKQSLDKGFMSVPLLSIV 244
DB 181 TLSPHNGTSTYSILHIDPKQVKEVICOVLYLGTVDKQVNVKQWPSVPLLSIV 240
QY 245 SLVILVLISILLYKRRHNOERGESSQGMQRM 277
DB 241 SLVILVLISILLYKRRHNOERGESSQGMQRM 273
```

```
RESULT 4
US-09-435-956A-1
; Sequence 1, Application US/09435956A
; Patent No. 6469155
; GENERAL INFORMATION:
; APPLICANT: Universita degli Studi di Bologna
; APPLICANT: Institut National de la Sante et de la Recherche M
; TITLE OF INVENTION: HIGR and Related V Domain for the Manufacture of a
; TITLE OF INVENTION: Medicament for Preventing or Treating HSV-1, HSV-2 and
; FILE REFERENCE: MODIANO
; CURRENT APPLICATION NUMBER: US/09/435,956A
; CURRENT FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Original Source: Hela Cell Line
; OTHER INFORMATION: General Functional Class of Gene: Immunoglobulin
; OTHER INFORMATION: Superfamily
; OTHER INFORMATION: Binding Macromolecules: HSV-GD
; OTHER INFORMATION: Subcellular localization: Plasma Membrane
; OTHER INFORMATION: Other Information: Viral Receptor
US-09-435-956A-1
```

```
Query Match          11.0%; Score 161; DB 4; Length 458;
Best Local Similarity 25.3%; Pred. No. 8.5e-09;
Matches 55; Conservative 35; Mismatches 103; Indels 24; Gaps 6;
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```
QY 30 AOVEVVTODERKLLHTTASLR-----SLKTQEPILVTVWQKKAVGPNMVTYSKAGH 82
DB 30 SQVQVDSMXYGFIGTDVVLHCSFANPLPSVKITQ---VTWQKSTNGSKQNAVAILNPSM 85
QY 83 GVIQPTVKDRINITEGLNTSITFMNTLLDDGCGYCLFNNFGSGKVGCTACTLYVQ 142
DB 86 GVSVALPAREVERPLRPSFTGTIRLSLELDEGVITGFRATPTGNRESQNLTVWAK 145
QY 143 P-----IVHLHNYFEHNLNTC-SATAPAPAIWSKGTGSGIENSTESHSHNGT 192
DB 146 PTNNIEGTQAVLRAKKGGDDKVLVATCSANGKPPSVSWETRLKG--BAEYQELRNPNGT 204
QY 193 TSVTSLRVKDPKTQVKEVICOVLYLGNVIDYKQSL 229
DB 205 TVVISRYRLVPSREAHQOSLACTIVY--HMDRFRESL 239
```

```
RESULT 5
US-09-724-864-62
; Sequence 62, Application US/09724864
; Patent No. 6380362
; GENERAL INFORMATION:
; APPLICANT: Watson, James G.
; APPLICANT: Watson, James G.
; TITLE OF INVENTION: Polynucleotides, polypeptides expressed
; TITLE OF INVENTION: by the polynucleotides and methods for their use.
; FILE REFERENCE: 11000.1050U1
; CURRENT APPLICATION NUMBER: US/09/724,864
; CURRENT FILING DATE: 2000-11-28
```

;; PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678  
;; PRIOR FILING DATE: 1999-12-23  
;; NUMBER OF SEQ ID NOS: 72  
;; SOFTWARE: FastSeq for Windows Version 4.0  
;; SEQ ID NO: 62  
;; LENGTH: 408  
;; TYPE: PRT  
;; ORGANISM: Mouse  
US-09-724-864-62

Query Match 10.2%; Score 148; DB 4; Length 408;  
Best Local Similarity 24.1%; Pred. No. 1,8e-07;  
Matches 58; Conservative 32; Mismatches 111; Indels 40; Gaps 6;

QY 14 STYSLMAIAVALSTAQVEV---VTQDERKLHTTASIRCSLKTQOEPLI---VTWQKK 68  
DB 10 SPLSWLLLFVYALKKAGDRLVLPYSTGVLGSLTLCSTLSENVTTIQTIMMKD 69  
QY 69 AVGPENMY-TYSKAGVVIQPTKDRINTELGLNTSITFWNTLDDGCGYMLENNFG 127  
DB 70 SGGSHALAVAFPRPKGPNKEPERVKFLAQQDLNNAISLNSVEDEGIYECQIATFP 129  
QY 128 SGKVSCTACL-----TLVQPIVHLHYNEFHHLNITCSATAPAPAI 170  
DB 130 RGSRTNAMLKQAPKMTAEALBPSPTLLQDVAK-----CISANGHPGRI 177  
QY 171 SWKGTGSGIENSTESHSHNGTSTVSLIRVDPKTVQGEKVIQVLYLGNVIDKQSLD 230  
DB 178 SWPNSVNGSHREKMEKPGSQPQTITVTSYLSWVSPRQADKNTCTVEH-----ESLQSLD 232  
QY 231 K 231  
DB 233 Q 233

## RESULT 6

US-09-651-200-15  
;; Sequence 15, Application US/09651200  
;; Patent No. 6429303  
;; GENERAL INFORMATION:  
;; APPLICANT: Green et al  
;; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
;; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and  
;; TITLE OF INVENTION: Polypeptides Encoded Thereby  
;; FILE REFERENCE: 15966-562 (CORA-62)  
;; CURRENT APPLICATION NUMBER: US/09/651,200  
;; PRIOR FILING DATE: 2000-08-30  
;; PRIOR APPLICATION NUMBER: 60/152383  
;; PRIOR FILING DATE: 1999-09-03  
;; PRIOR APPLICATION NUMBER: 60/172909  
;; PRIOR FILING DATE: 1999-12-21  
;; PRIOR APPLICATION NUMBER: 60/183578  
;; PRIOR FILING DATE: 2000-02-18  
;; NUMBER OF SEQ ID NOS: 25  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO: 15  
;; LENGTH: 299  
;; TYPE: PRT  
;; ORGANISM: Oryctolagus sp.  
US-09-651-200-15

Query Match 9.3%; Score 135; DB 4; Length 299;  
Best Local Similarity 24.0%; Pred. No. 2.9e-06;  
Matches 76; Conservative 48; Mismatches 115; Indels 78; Gaps 19;

QY 2 GSPVRRPFCCHLSTSLMAIAVALSTAQVEVVTQDERKLHTTASIRCSLKTQOEPLI 61  
DB 8 GTPPL---FRCHLTKLCCLLALAGLFPSSG-ISQVTKSVKEM---AALSQDYNISIDELA 59  
QY 62 ---VTWQKKAVGPNMYTYSKAGVVIQPTKDR-----INTELGLNTSITFWNTTL 113  
DB 60 RMRIVWQK-----DQMWLSTISGQVEVWPEYKNTFTPLIIN-----NLSMLALRL 107

QY 114 DDGCGYMLF--NMFGSGKVSCTACLTLVQ-----PIVHLHYNEFHHLNITCSA 162  
DB 108 SDKGTTCVQAKENGSGFRRHLSVTLISADPVPBSITTHGPDENV---KRIKCSA 163  
QY 163 TAR-PAPASWKGTSQGLE--NSTESHSHNGTSTVSLIRVDPKTVQGEKVIQVLY- 218  
DB 164 SCGFPEPLAMWEDGEEILNAVNTTVDQDLDELVSSEEL---DFNVTNNHSIVCLIKYG 220  
QY 219 ---LGNVIDYQ-----SLDK-GFWFSVPLLSIVSLVILLVLSILLY-----WK 260  
DB 221 ELVSQIFPWSKPKQPEPIDLPFWVILPVSGA-----LVLTAVVLYCLACRRVARWK 273  
QY 261 RHRNORSGSSQGMORM 277  
DB 274 RTR---RNEETVGTERTL 287

## RESULT 7

US-09-068-051A-32  
;; Sequence 32, Application US/09068051A  
;; Patent No. 6291235  
;; GENERAL INFORMATION:  
;; APPLICANT: Old, Lloyd J.; Welt, Sydney; Rittler, Gerid;  
;; Simpeon, Richard J.; Nice, Edouard; Moritz, R. L.;  
;; Calmell, B.; Ji, Hong; Burgess, Anthony W.;  
;; Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
;; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
;; Associated Nucleic Acid Molecules, Protein And Peptides  
;; NUMBER OF SEQUENCES: 33  
;; CORRESPONDENCE ADDRESSES:  
;; ADDRESS: Fulbright & Jaworski LLP  
;; STREET: 666 Fifth Avenue  
;; CITY: New York City  
;; STATE: New York  
;; COUNTRY: USA  
;; ZIP: 10103  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
;; COMPUTER: IBM PS/2  
;; OPERATING SYSTEM: PC-DOS  
;; SOFTWARE: Wordperfect  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/068,051A  
;; FILING DATE: 10-Dec-1998  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/597,495  
;; FILING DATE: 02-Feb-1996  
;; APPLICATION NUMBER: 08/511,876  
;; FILING DATE: 04-Aug-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Hanson, No. 6291235man D.  
;; REGISTRATION NUMBER: 30,946  
;; REFERENCE/DOCKET NUMBER: LUD 516.2  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 318-3168  
;; TELEFAX: (212) 752-5958  
;; INFORMATION FOR SEQ ID NO: 32  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 318 amino acids  
;; TYPE: amino acid  
;; TOPOLOGY: linear  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 32  
US-09-068-051A-32

Query Match 9.3%; Score 135; DB 3; Length 318;  
Best Local Similarity 21.5%; Pred. No. 3.2e-06;  
Matches 65; Conservative 48; Mismatches 106; Indels 84; Gaps 14;

QY 17 SLMAIAA--VALSTAQVEVVTQDERKLHTTASIRCSLKT-----TOE 58  
DB 6 SVWMNLCAIWWAADALVETTTQDILRAARGSVTLPTCYNTYVSDREGFIQWDLRSQT 65

QY 59 PLIVTWOKKAVGPNMVTYSKAGVVIQPTKYKDRINIT-ELGLNTSITFMNTLDDG 117  
Db 66 ERVVTW-----NFTVKRIYIG-----NRYENRVSNDBELSNASTITIQLTMDNG 112  
QY 118 CYMCFNFMGSGKVSAGTACLLIVY-----QPIVHLHYN-YFEHHLNITC-SATAPAPAI 170  
Db 113 TYECVSILMSDDVNAKSKVRLLVLPSPKPDGSGEIVGNINQITCHSAGSPSPQY 172  
QY 171 SWKGTGSGEINTESHSHNGTSTV-----SILKVPKPTQVGKEVICQVLYLGNVIDY 225  
Db 173 SWK-----SYNAQNOQRPLTPQVSGEPILLKINSTETAGYIC----- 210  
QY 226 KQSLDKGF-----WFSVPLLSIV-SLVYLLVLSILLYW-----KRRNOER 267  
Db 211 TSSNDVGIESCNITVAPRPPSMNIALYAGISVVALIITGVIVYCCCKREKDKDQDR 270  
QY 268 GES 270  
Db 271 EDA 273

RESULT 8  
US-09-651-200-20  
; Sequence 20, Application US/09651200  
; Patent No. 6429303  
; GENERAL INFORMATION:  
; APPLICANT: Green et al  
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B  
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and  
; TITLE OF INVENTION: Polypeptides Encoded Thereby  
; FILE REFERENCE: 15966-562 (CURA-62)  
; CURRENT APPLICATION NUMBER: US/09/651,200  
; CURRENT FILING DATE: 2000-08-30  
; PRIOR APPLICATION NUMBER: 60/152383  
; PRIOR FILING DATE: 1999-09-03  
; PRIOR APPLICATION NUMBER: 60/172909  
; PRIOR FILING DATE: 1999-12-21  
; PRIOR APPLICATION NUMBER: 60/183578  
; PRIOR FILING DATE: 2000-02-18  
; NUMBER OF SEQ ID NOS: 25  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 20  
; LENGTH: 325  
; TYPE: PRT  
; ORGANISM: sus sp.  
US-09-651-200-20

Query Match 8.7%; Score 126.5; DB 4; Length 325;  
Best Local Similarity 23.8%; Pred. No. 2.8e-05;  
Matches 66; Conservative 42; Mismatches 94; Indels 75; Gaps 17;

QY 46 TASLRCSLKTQ---EPLIVTWOKKAVGPNMVTY-----SKAGVVIQPTKYKDRIN 95  
Db 29 TGEELCFHTFNSQNLSDLELIVFWQDQ-----DNLVLYELRGQEKPRHNV--NSKTMGR-- 79  
QY 96 ITELGLNLTSTFMNTLDDGSCYMCFLFMFG-SGKV-----SGTACLLIVQPIVHLH 148  
Db 80 -TSPQDQATWTLRLHNVQIDKSGYQCFIHHKPRHGLVPIHQMSDLSLANFSQPEINL 138  
QY 149 YNYFEHH-LNITCSAT-ARPAIAISWKGSGEINTESH-----SHNGTSTVTSILR 200  
Db 139 TNHTNSVNLTCSSGTGPERQRMVMLNT--KXSTTEHDAKMKSCQNNITELYNVSTR 196  
QY 201 VK--DPTQVGKEVICQVLYLGNVIDYKQSLDKGFWSVP----- 238  
Db 197 VSLPIPETNV--SIVC-----VLOLEPS--KTLLFSLPCNIDAKRPVQPPVDHILM 245  
QY 239 LLSTIVSLVILVLSILLYMKRHNO-----ERGES 270  
Db 246 IAAILVTVVVCGWSPYTLRRKKKQGPSPNECET 282

RESULT 9

US-09-667-135-32  
; Sequence 32, Application US/09667135  
; Patent No. 6521749  
; GENERAL INFORMATION:  
; APPLICANT: Vincent Ling  
; APPLICANT: Kiyaki Dunusi-Joannopoulos  
; TITLE OF INVENTION: NOVEL GL50 MOLECULES AND USES THEREFOR  
; FILE REFERENCE: GNN-007  
; CURRENT APPLICATION NUMBER: US/09/667,135  
; CURRENT FILING DATE: 2000-09-21  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 32  
; LENGTH: 329  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY:  
; LOCATION:  
US-09-667-135-32

Query Match 8.6%; Score 126; DB 4; Length 329;  
Best Local Similarity 22.1%; Pred. No. 3.3e-05;  
Matches 70; Conservative 52; Mismatches 129; Indels 66; Gaps 16;

QY 9 PCHLSTSLMAIAAVALSTQVEVVTQDERKLIHTASLCSLKTQ---EPLIVTW 64  
Db 3 PCHTGLSNILFVAFILSGAAPLKI-----QAYFNETADPQFANSQNSLSLVLFW 57  
QY 65 OKKAVGPNMVTYSKAGVVIQPTKYKDRINITELGLNLTSTVW-----NTLDDGCGY 119  
Db 58 QDQ-----ENLV-----LNEVYLGEKEKFDPSVKXMGKGRSPSDGTLRLHLQIDKGLY 108  
QY 120 MCLF-NMFGSKV-----SGTACLLIVQPIVHLHYNFEH-HLNTCSAT-ARPAI- 168  
Db 109 QCIHHKPTQMIRIHQMSLSVLANFSQPEIIVPISNITENVYINLTCSIHGYPBPK 168  
QY 169 -AISKGTGSGIE-NSTESHSHNGT--SVTSLRYVDKPTQVGKEVICQVLYLGNVID 224  
Db 169 MSVLRTNNTSTIEYGVQMSQDVTLEYDVISLSVSFPVTSNMTIFCL-ETD 223  
QY 225 YKQSLDKGFWS-----VPLLSIVSLVILVLSILLYW-----KRRNR----- 264  
Db 224 KTRLLSPFSFIELEDPPQPPPHIPIWITAVLPTVILICWVFCLLIMKMKKKRPPRSYKCG 283  
QY 265 ---QERGESQGMQRMK 278  
Db 284 TMTMERESQTKKREK 300

RESULT 10  
US-08-597-495B-22  
; Sequence 22, Application US/08597495B  
; Patent No. 5712369  
; GENERAL INFORMATION:  
; APPLICANT: Old, Lloyd J.; Melt, Sydney; Ritter, Gerd;  
; APPLICANT: Simpson, Richard J.; Nice, Edouard; Moritz, R. L.;  
; APPLICANT: Catimel, B.; Ji, Hong; Burgess, Anthony W.;  
; APPLICANT: Heath, Joan K.; White, Sara J.; Johnstone, Cameron  
; TITLE OF INVENTION: Colon Cell And Colon Cancer Cell  
; TITLE OF INVENTION: Associated Nucleic Acid Molecules, Protein And Peptides  
; NUMBER OF SEQUENCES: 29  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Felte & Lynch  
; STREET: 805 Third Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10022  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 inch, 360 kb storage  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: PC-DOS

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1      FILING DATE: 10-Dec-1998
2
3      CLASSIFICATION: 435
4
5      PRIOR APPLICATION DATA:
6
7      APPLICATION NUMBER: 08/597,495
8      FILING DATE: 02-Feb-1996
9      APPLICATION NUMBER: 08/511,876
10     FILING DATE: 04-Aug-1995
11
12     ATTORNEY/AGENT INFORMATION:
13
14     NAME: Hanson, No. 6291235man D.
15     REGISTRATION NUMBER: 30,946
16
17     REFERENCE/DOCKET NUMBER: LUD 5316.2
18
19     TELECOMMUNICATION INFORMATION:
20
21     TELEPHONE: (212) 318-3168
22     TELEFAX: (212) 752-5958
23
24     INFORMATION FOR SEQ ID NO: 22
25
26     SEQUENCE CHARACTERISTICS:
27
28         LENGTH: 319 amino acids
29         TYPE: amino acid
30         TOPOLOGY: linear
31
32     SEQUENCE DESCRIPTION: SEQ ID NO: 22
33
34     OS-09-068-051A-22

```

[illegible]

```

RESULT 12
US-09-336-536-67
Sequence 67, Application US/09336536
Patent No. 6406884
GENERAL INFORMATION:
APPLICANT: Leiby, K.
APPLICANT: McKay, C.
APPLICANT: Bosstone, S.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-144
CURRENT APPLICATION NUMBER: US/09/336,536
CURRENT FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 319
TYPE: PRT
ORGANISM: Homo sapiens
US-09-336-536-67

Query Match      8.6%; Score 125.5; DB 4; Length 319;
Best Local Similarity 20.6%; Pred. No. 3.5e-05;
Matches 60; Conservative 44; Mismatches 100; Indels 87; Gaps 14;

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Db 6 WPLVLTCLAVRTVAISVETPODVLRAQSGSVTLPTCTHTSTSSREGLIQMDKLLTLH 65  
Qy 72 PENMVTY-----SKAGVVIQPTVKDRINIT-ELGLLNTSIFEMWTTLDGCGYMCLEFM 125  
Db 66 TERVVIWPSNKNVYHIGEL-----YKRVISISNNAEQSDASITIDQLTADNNGTYECSVL 121  
Qy 126 FG-SGKVSCTACTLYVOP-----IVHLHYNFHEHLNITC-SATAPAPAPIS 171  
Db 122 MSDLEGNTRSRVRLVLVLPSPKRECEIGEETII-----GNNIQLTQCKEGSPPTQYS 174  
Qy 172 WK-----CTSGGIEN-SFE-----SHSHNGTTSVTSILRVDPKQ 207  
Db 175 WKRVVILNOEQPLAPASQOPVSLKNIISTDTSGYIICTSSNEEGTQFCNITVAVSPSN 234  
Qy 208 VGEKEVICQVLYLGNVLDYKQSLDKGFWSVPLLSISVLIILVLSILLY 258  
Db 235 V-----ALVYG-----IANGVVALIIGIITII 257

RESULT 13  
US-09-254-465A-6  
; Sequence 6, Application US/09254465A  
; Patent No. 6410708  
; GENERAL INFORMATION:  
; APPLICANT: Genentech, Inc.  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Fong, Sherman  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Napier, Mary A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: OF DISEASES, COMPOSITIONS AND METHODS FOR THE TREATMENT  
; FILE REFERENCE: P121681 (US)  
; CURRENT APPLICATION NUMBER: US/09/254,465A  
; PRIOR FILING DATE: 1999-03-05  
; PRIOR APPLICATION NUMBER: PCT/US98/24855  
; PRIOR FILING DATE: 1998-11-20  
; PRIOR APPLICATION NUMBER: US 60/066,364  
; PRIOR FILING DATE: 1997-11-21  
; PRIOR APPLICATION NUMBER: US 60/078,936  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: PCT/US98/19437  
; PRIOR FILING DATE: 1998-09-17  
; NUMBER OF SEQ ID NOS: 30  
; SEQ ID NO 6  
; LENGTH: 319  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-254-465A-6

Query Match 8.6%; Score 125.5; DB 4; Length 319;  
Best Local Similarity 20.6%; Pred. No. 3.5e-05;  
Matches 60; Conservative 44; Mismatches 100; Indels 87; Gaps 14;  
Qy 16 YSLMAIAAVALSTAOVEVWVTODE--RKLLHTTASLRCS--LKTQOEPLIVWOKKAVG 71  
Db 6 WVLVLTCLAVRTVAISVETPODVLRAQSGSVTLPTCTHTSTSSREGLIQMDKLLTLH 65  
Qy 72 PENMVTY-----SKAGVVIQPTVKDRINIT-ELGLLNTSIFEMWTTLDGCGYMCLEFM 125  
Db 66 TERVVIWPSNKNVYHIGEL-----YKRVISISNNAEQSDASITIDQLTADNNGTYECSVL 121  
Qy 126 FG-SGKVSCTACTLYVOP-----IVHLHYNFHEHLNITC-SATAPAPAPIS 171  
Db 122 MSDLEGNTRSRVRLVLVLPSPKRECEIGEETII-----GNNIQLTQCKEGSPPTQYS 174  
Qy 172 WK-----CTSGGIEN-SFE-----SHSHNGTTSVTSILRVDPKQ 207  
Db 175 WKRVVILNOEQPLAPASQOPVSLKNIISTDTSGYIICTSSNEEGTQFCNITVAVSPSN 234  
Qy 208 VGEKEVICQVLYLGNVLDYKQSLDKGFWSVPLLSISVLIILVLSILLY 258

Db 235 V-----ALVYG-----IANGVVALIIGIITII 257

RESULT 14  
US-08-456-104-2  
; Sequence 2, Application US/08456104  
; Patent No. 5861310  
; GENERAL INFORMATION:  
; APPLICANT: Freeman, Gordon J.  
; APPLICANT: Nadler, Lee M.  
; APPLICANT: Gray, Gary S.  
; TITLE OF INVENTION: TUMOR CELLS MODIFIED TO EXPRESS B7-2 AND B7-3 WITH INCREASED  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVE & COCKFIELD  
; STREET: 60 State Street, Suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/456,104  
; FILING DATE:  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/101,624;  
; FILING DATE: 26-JUL-1993;  
; APPLICATION NUMBER: 08/109,393;  
; APPLICATION NUMBER: 19-AUG-1993  
ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragoras, Amy E.  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: RPI-008  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 329 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-456-104-2

Query Match 8.6%; Score 125; DB 2; Length 329;  
Best Local Similarity 22.1%; Pred. No. 4.2e-05;  
Matches 70; Conservative 52; Mismatches 123; Indels 66; Gaps 16;  
Qy 9 PFCHLSTYSLMAIAAVALSTAOVEVWVTODEKRLHTTASLRCSLKTQ---EPLIVTW 64  
Db 3 PCTGTGSLNILFVMAFLLSGAAPLKI-----QAYFNETADLPCEPANGSONSLSELVFW 57  
Qy 65 QKKAAGVEMNVTYSKAGVVIQPTVKDRINITELGLLNTSITFV-----NTLTDGCGY 119  
Db 58 QDQ-----ENVV-----LNEVYLKREKFPDSVSKWGRTPSDSGTTLRLHLQIKDKGLY 108  
Qy 120 MCLF-NMFGSKV-----SGTACTLYVOPIVHLHYNFHEH-HLNTCSAT-ARAP-- 168  
Db 109 OCTIHHKPTGMRIRHONSELVLANSPQEIYIPISITENVYINLTCCSIHIGPPEK 168  
Qy 169 -AISWKTGSGIE-NSTESHSHNGTT--SVTSILRVDPKTOVGEKEVICQVLYLGNVID 224  
Db 169 MSVLRTKNGSTIEVDGIMQSDNVTLEYDVISISLSVSFPDVTSMNTIFCIL-----ETD 223  
Qy 225 YKQSLDKGFWS-----VPLLSISVLIILVLSILLY-----KRHR----- 264  
Db 224 KTRLSSPFSIELEDDPPDPHPDHPITAVLPTVITICVWVFLILIMKWKRRPRNSYKCG 283



OY 265 ---OERGESSQGMQRMK 278  
Db 284 TNTMERESQTKKREK 300

RESULT 15  
US-08-101-624-2  
; Sequence 2, Application US/08101624  
; Patent No. 5942607  
; GENERAL INFORMATION:  
; APPLICANT: Freeman, Gordon J.  
; APPLICANT: Nadler, Lee M.  
; APPLICANT: Gray, Gary S.  
; TITLE OF INVENTION: No. 5942607e1 CTLA4/CD28 ligands and  
; TITLE OF INVENTION: Uses therefor  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LAHIVB & COCKFIELD  
; STREET: 60 State Street, Suite 510  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/101,624  
; FILING DATE: 26-JUL-1993  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mandragouras, Amy E.  
; REGISTRATION NUMBER: 36,207  
; REFERENCE/DOCKET NUMBER: RPI-004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 227-7400  
; TELEFAX: (617) 227-5941  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 329 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-101-624-2

Query Match 8.6%; Score 125; DB 2; Length 329;  
Best Local Similarity 22.1%; Pred. No. 4.2e-05;  
Matches 70; Conservative 52; Mismatches 129; Indels 66; Gaps 16;

OY 9 PFCHSTYSLSLMAIAAVALSTAQVEVVTODERKLLHTTASLRCSLKTQ---EPLIYTW 64  
Db 3 PCTMGLSNILFVMAFLSGAAPLKI-----QAYFNETADLPQOFANSONOSISELVFW 57  
OY 65 QKKKAVCPENMYTYSKAGHVIOPTYKDRINITEGLNLTSTIFW-----NTTLDGCGY 119  
Db 58 QDO-----ENLV-----LNEVYLGKEKFPDSVHSKYMGRTSFSDSDWTLRLHNLQIKDGLY 108  
OY 120 MCLF-NMFGSGKV-----SGTACTLTVYQPIVHLHNYFEH-HLNTCSAT-ARPA-- 168  
Db 109 QCIHHKKPTGMRIRIQMNSSELSVLNFSQPEIIVPISNITENVYINLTCSIHGYEPKK 168  
OY 169 -AISWKGTSGLI-NSTESHSHNGTT--SVTSILVKKDKPTQGVKEVICQVLYLGNVID 224  
Db 169 MSVILRTKSTIEYDGMQKSDNVTLEYDVSISLSVSFPDYTSNMTIFCIL-----ETD 223  
OY 225 YKQSLDKGFWS-----VPLLSTIVSLVILVLSILLYW-----KRHRN----- 264

Db 224 KTRLLSPFSLIEDPQPPDHPWITAVLPTVILCVMEFCLIMKWKKKRPNSYKCG 283  
OY 265 ---OERGESSQGMQRMK 278  
Db 284 TNTMERESQTKKREK 300

Search completed: November 26, 2003, 10:29:13  
Job time : 12.7277 secs

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